

Construction Contract for the BLS IT Infrastructure

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I. Project Information

I.A. Project Summary

Refer to the statement of work

I.B. The Contract

(1) The Contract consists of the SF 1442, the Agreement, the Statement of Work, Specifications, Drawings, Exhibits, Amendments, Modifications, and other Attachments identified herein (collectively, the Contract Documents). The Contract contains the entire agreement of the Parties, and no prior written or oral agreement, express or implied, shall be admissible to contradict or modify any part of the Contract.

(2) The Contractor shall provide and pay for all labor, materials, equipment, tools, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution of the work described in and reasonably inferable from the Contract Documents (the Work), whether temporary or permanent. In consideration for, and upon condition of, the Contractor's completion of the Work, GSA shall pay the Contractor the price or prices established in Section II, subject to the terms and conditions set forth in this Contract.

I.C. Period of Performance

(1) *Commencement.* The Contractor shall commence performance of the Work within 10 days after the Contractor receives the Notice to Proceed (NTP).

(2) *Substantial Completion.* The Contractor shall achieve Substantial Completion of the Work, as that term is defined in this Agreement, no later than **August 31, 2017**.

(3) *Contract Completion.* The Contractor shall achieve Contract Completion, as the term is defined in this Agreement, within 30 calendar days of Substantial Completion.

I.D. Work Conditions/Site Requirements

Not Applicable

I.E. Authorized Representative

(1) This Contract is between the United States of America, acting by and through the Administrator of General Services (GSA), and the Contractor (the Parties). References in this Contract to "the Owner" or "the Government" shall be understood to refer to GSA. The following individual is designated as the only authorized GSA representative under this Contract, unless other warranted contracting officers are designated in writing:

Contracting Officer

Name: Haynes Thompson

Address: 301 7th Street SW, Washington DC 20407

Telephone: 720-481-7221

Email: Haynes.thompson@gsa.gov

(2) GSAR 552.236-71, Authorities and Limitations, is incorporated by reference in this Contract.

I.F. Liquidated Damages Rate

In accordance with the "Liquidated Damages" clause in Section III (Terms and Conditions), liquidated damages shall be calculated at the rate of \$ 0 per calendar day.

I.G. Buy American Exceptions

For the applicable Buy American clause and any exceptions, see Section IV of this Agreement.

I.H. Statement of Work, Specifications, Drawings, Exhibits, and Other Attachments

The following documents are incorporated by reference into this Contract.

- (1) Statement of Work, Dated 04/26/2017
- (2) Wage Determination DC170002, Dated 05/05/2017

II. Prices

II.A. Basis of Pricing

- (1) *Contract Prices.* All Contract prices set forth in this Section include all costs necessary to complete the work for which the price is established (e.g., Base Contract, Unit Price, Options) in accordance with the Contract Documents, including, but not limited to, the cost of work performed by subcontractors and consultants, indirect costs, fees, expenses, taxes, and profit.
- (2) *Knowledge of Conditions Affecting Price.* FAR 52.236-3, Site Investigations and Conditions Affecting the Work, is incorporated by reference in this Contract. The Contractor shall be presumed to have established all prices with knowledge of general and local conditions that may affect the cost of Contract performance at the site where the Work is to be performed, to the extent that such information is reasonably obtainable.
- (3) *Unit Prices and Allowances.* If any portion of the Work is to be performed on a unit price basis, the Unit Price shall include all costs of coordinating and incorporating the unit-priced portion of the Work into the Base Contract Work. The Contractor shall only be obligated to perform unit-priced work to the extent that an Allowance has been established. The Contractor shall be obligated to perform such work in excess of a unit quantity for which an Allowance is established only if directed by the Contracting Officer in writing. The Contractor shall be bound to the unit price or prices set forth herein in all equitable adjustments for changes including unit priced work, and no markups shall be applied to such unit prices.
- (4) *Options.* If any portion of the Work is to be performed upon the timely exercise of an Option, the Option Price shall include all costs of coordinating and incorporating the Option-priced portion of the Work into the Base Contract Work. An adjustment to the Contract price for such additional work shall be computed solely on the basis of the Option price or prices set forth herein. Unless otherwise specified, all options may be exercised within 90 days of Contract award.
- (5) *Bid Rates.* If this Contract includes Bid Rates to be used in determination of equitable adjustments (e.g., overhead, profit, daily rates for time-related costs), such rates shall be deemed to include all costs recoverable as components of an equitable adjustment consistent with the requirements, definitions, and exclusions applicable to equitable adjustments set forth in this Contract, and consistent with the Contractor's cost accounting practices. Unless

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otherwise specified, the bid rates shall be deemed to include only the Contractor's costs, and not the costs of any subcontractors.

II.B. Contract Price Form

CLIN	ITEM	PRICE
0001	Provide all labor, materials, tools, equipment and all other incidentals necessary to complete the requirement for the IT infrastructure upgrade, per the SOW.	\$
	Total	\$

III. Terms and Conditions

III.A. Commencement, Prosecution, and Completion of Work

FAR 52.211-10, Commencement, Prosecution, and Completion of Work, is supplemented as follows:

The Contractor shall not commence the Work until the Contracting Officer has issued NTP. The Contractor shall diligently prosecute the Work so as to achieve Substantial Completion of the Work, as defined in Section III (Terms and Conditions), "Substantial Completion and Contract Completion" clause, within the time specified in Section I (Project Information), "Period of Performance" clause. If the Contract specifies different completion dates for different phases or portions of the Work, the Contractor shall diligently prosecute the Work so as to achieve Substantial Completion of such phases or portions of the Work within the times specified.

III.B. Contractor Responsibilities

- (1) Unless otherwise expressly stated in the Contract, the Contractor shall be responsible for all means and methods employed in the performance of the Contract.
- (2) The Contractor shall be responsible for providing professional design services in connection with performance of the Work or portions of the Work only if this responsibility is expressly stated and the Contract Documents provide the performance and design criteria that such services will be required to satisfy. In the performance of such work, the Contractor shall be responsible for retaining licensed design professionals, who shall sign and seal all drawings, calculations, specifications and other submittals that the licensed professional prepares. The Contractor shall be responsible for, and GSA shall be entitled to rely upon, the adequacy and completeness of all professional design services provided under this Contract.
- (3) The Contractor shall be responsible for coordinating all activities of subcontractors. This responsibility includes coordination of: preparation of shop drawings produced by different subcontractors where their work interfaces or may potentially conflict or interfere and the installation of such work; scheduling of work by subcontractors; and use of the Project site for staging and logistics.
- (4) Where installation of separate Work components as shown in the Contract Documents will result in conflict or interference between such components or with existing conditions, including allowable tolerances, it is the Contractor's responsibility to bring such conflict or interference to the attention of the Contracting Officer and seek direction before fabrication, construction, or installation of any affected work. If the Contractor fabricates, constructs, or installs any work prior to receiving such direction, the Contractor shall be responsible for all cost and time incurred to resolve or mitigate such conflict or interference.
- (5) Where drawings show work without specific routing, dimensions, locations, or position relative to other work or existing conditions, and such information is not specifically defined by reference to specifications or other information supplied in the Contract Documents, the Contractor is responsible for routing, dimensioning, and locating such work in coordination with other work or existing conditions in a manner consistent with Contract requirements.

- (6) It is not the Contractor's responsibility to ensure that the Contract Documents comply with applicable laws, statutes, building codes and regulations. If it comes to the attention of the Contractor that any of the Contract Documents do not comply with such requirements, the Contractor shall promptly notify the Contracting Officer in writing. If the Contractor performs any of the Work prior to notifying and receiving direction from the Contracting Officer, the Contractor shall assume full responsibility for correction of such work, and any fees or penalties that may be assessed for non-compliance.
- (7) The Contractor shall immediately bring to the Contracting Officer's attention any hazardous materials or conditions not disclosed in the Contract Documents discovered by or made known to the Contractor during the performance of the Contract.
- (8) The Contractor must submit a safety plan before commencing work.

III.C. Contractor Management and Personnel

FAR 52.236-6, Superintendence by the Contractor, is supplemented as follows:

- (1) The Contractor shall employ sufficient management and contract administration resources, including personnel responsible for project management, field superintendence, change order administration, estimating, coordination, inspection, and quality control, to ensure the proper execution and timely completion of the Work. The Contractor shall designate a principal of the firm or other senior management official to provide executive oversight and problem resolution resources to the Project for the life of the Contract.
- (2) The Contractor shall employ, and require its subcontractors to employ, qualified personnel to perform the Work. The Government reserves the right to exclude, or remove from the site or building, any personnel for reasons of incompetence, carelessness, or insubordination, who violate rules and regulations concerning conduct on federal property, or whose continued employment on the site is otherwise deemed by the Government to be contrary to the public interest.
- (3) Repeated failure or excessive delay by the Contractor to provide qualified personnel shall be deemed a default for the purposes of the Termination for Default clause.

III.D. Project Schedule

- (1) The Contractor shall use a Critical Path Method ("CPM") Project Schedule to plan, coordinate, and perform the Work. The Project Schedule shall be produced using widely used, commercially available computer software that is capable of generating and monitoring a CPM schedule and is compatible with Meridian Proliance.® For example, compatible software includes Microsoft Project,® Primavera SureTrak,® and Primavera Project Planner.®
- (2) The Project Schedule shall be a rational, reasonable and realistic plan for completing the Work, and conform to requirements specified in this clause and elsewhere in this Contract.
- (3) The Contractor understands and acknowledges that the preparation and proper management of the Project Schedule is a material component of the Work, and that the Contract price includes all costs of compliance with Project Schedule requirements.

(4) The Project Schedule shall depict all activities necessary to complete the Work, including, as applicable, all submittal and submittal review activities, all procurement activities, and all field activities, including mobilization, construction, start-up, testing, balancing, commissioning, and punchlist. Activities shall be sufficiently detailed and limited in duration to enable proper planning and coordination of the Work, effective evaluation of the reasonableness and realism of the Project Schedule, accurate monitoring of progress, and reliable analysis of schedule impacts.

(5) Within thirty (30) days of NTP, or such other time as may be specified herein, the Contractor shall submit its Project Schedule to the Contracting Officer, together with a written narrative describing the major work activities, activities on the critical path, and major constraints underlying the sequence and logic of the Project Schedule. The Contractor shall submit the Project Schedule in both electronic and hardcopy print format.

(6) The Contractor should anticipate that its initial submittal of the Project Schedule shall be subject to review and revision as contemplated by Paragraph (11) of this clause, and the Contractor shall devote sufficient resources for meetings, revisions, and resubmissions of the Project Schedule to address exceptions taken by the Contracting Officer to the initial submittal. The Contractor understands and acknowledges that the purpose of the initial review and resolution of exceptions is to maximize the usefulness of the Project Schedule for the Parties during Contract performance.

(7) Activity durations shall be based upon reasonable and realistic allocation of the resources required to complete each activity, given physical and logistical constraints on the performance of the Work. All logic shall validly reflect physical or logistical constraints on relationships between activities. Except for the first and last activities in the Project Schedule, each activity shall have at least one predecessor and one successor relationship to form a logically connected network plan from NTP to the Contract Completion date.

(8) The Project Schedule shall incorporate milestone events specified in the Contract, including, as applicable, NTP, Substantial Completion, and milestones related to specified work phases and site restrictions. The Project Schedule shall also include Contractor-defined milestones to identify target dates for critical events, based upon the Contractor's chosen sequence of work.

(9) Unless a shorter period for updates is specified elsewhere, the Contractor shall update the Project Schedule monthly to reflect its actual progress in completing the Work, and submit the updated Project Schedule to the Contracting Officer within five (5) working days of the end of each month or other specified period.

(10) If the Contractor revises the Project Schedule after initial submission, the Contractor shall provide in writing to the Contracting Officer a narrative describing the substance of the revision, the rationale for the revision, and the impact of the revision on the projected Substantial Completion date and the available float for all activities. The Contractor shall only revise prospective activities, durations and logic, but addition of detail to prospective activities shall not be deemed a revision if the overall duration of the detailed activity does not change.

(11) If at any time the Contracting Officer finds that the Project Schedule does not comply with any Contract requirement, the Contractor shall, upon written notice of exceptions taken by the Contracting Officer, revise the Project Schedule, adjust activity progress, or provide sufficient information demonstrating compliance. Regardless of whether the Contracting Officer takes any such exception, the Contractor shall not be relieved of its responsibility for the rationality,

reasonableness or realism of the Project Schedule, or its responsibility to achieve Substantial Completion within the time specified by this Contract.

(12) If the Contractor fails to sufficiently address the Contracting Officer's exceptions to the Project Schedule within thirty (30) calendar days of written notice of same, the Contracting Officer may withhold retainage until the Project is Substantially Complete or until such time as the Contractor has complied with Project Schedule requirements.

(13) The Contracting Officer shall be entitled, but not required, to rely upon the Project Schedule to evaluate the Contractor's progress, evaluate entitlement to extensions of time and determine the criticality or float of any activities described in such Project Schedule.

III.E. Extensions of Time

FAR 52.211-13, Time Extensions, is supplemented as follows:

(1) If the Contractor requests an extension of the time for Substantial Completion, the Contractor shall base its request on analysis of time impact using the Project Schedule as its baseline, and shall propose as a new Substantial Completion date to account for the impact. The Contractor shall submit a written request to the Contracting Officer setting forth facts and analysis in sufficient detail to enable the Contracting Officer to evaluate the Contractor's entitlement to an extension of time.

(2) The Contractor shall only be entitled to an extension of time to the extent that (a) Substantial Completion of the Work is delayed by causes for which the Contractor is not responsible under this Contract, and (b) the actual or projected Substantial Completion date is later than the date required by this Contract for Substantial Completion.

(3) The Contractor shall not be entitled to an extension of time if the Contractor has not updated the Project Schedule in accordance with this Contract.

(4) The Government shall not be liable for any costs to mitigate time impacts incurred by the Contractor that occur less than 30 calendar days after the date the Contractor submits a request for extension of time in compliance with this clause.

III.F. Interpretation of Specifications and Drawings

FAR 52.236-21, Specifications and Drawings for Construction, and GSAR 552.236-77, Specifications and Drawings, are supplemented as follows:

(1) Different requirements within the Contract Documents shall be deemed inconsistent only if compliance with both cannot be achieved.

(2) Unless otherwise noted, the drawings shall be interpreted to provide for a complete construction, assembly, or installation of the Work, without regard to the detail with which material components are shown in the drawings.

III.G. Submittals

FAR 52.236-21, Specifications and Drawings for Construction, GSAR 552.236-78, Shop Drawings, Coordination Drawings, and Schedules, and GSAR 552.236-79, Samples are supplemented as follows:

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(1) The Contractor shall prepare and submit to the Contracting Officer shop drawings, samples, calculations, product information, mockups, and other submittals (collectively, "submittals") demonstrating compliance with Contract requirements for all Work components as specified elsewhere in this Contract. If particular submittal requirements are not specified for a component of the Work, the Contractor shall prepare submittals for such Work as directed by the Contracting Officer.

(2) The Contractor shall not proceed with work or procure products or materials described or shown in submittals until the Contracting Officer has indicated approval of the submittal. Any work or activity undertaken prior to approval shall be at the Contractor's risk; should the Contracting Officer subsequently determine that the work or activity does not comply with the Contract, the Contractor shall be responsible for all cost and time required to comply with the Contracting Officer's determination. The Contracting Officer shall have the right to order the Contractor to cease execution of work for which submittals have not been approved. The Government shall not be liable for any cost or delay incurred by the Contractor attributable to the proper exercise of this right.

(3) The Contractor shall be entitled to receive notice of action on submittals within a reasonable time, given the volume or complexity of the submittals and the criticality of the affected activities to Substantial Completion as may be indicated in the Project Schedule. The Contractor shall not be entitled to receive notice of action on submittals containing variations from Contract requirements in less than twenty (20) working days.

III.H. Substantial Completion and Contract Completion

FAR 52.211-10, Commencement, Prosecution, and Completion of Work, FAR 52.211-12, Liquidated Damages (Construction), and GSAR 552.246-72, Final Inspection and Tests, are supplemented as follows:

(1) For the purposes of FAR 52.211-10, Commencement, Prosecution and Completion of Work, and FAR 52.211-12, Liquidated Damages (Construction), the Work shall be deemed complete when it is "Substantially Complete." The Work shall be deemed "Substantially Complete" if and only if the Contractor has completed the Work and related Contract obligations in accordance with the Contract Documents, such that the Government may enjoy the intended access, occupancy, possession, and use of the entire Work without impairment due to incomplete or deficient work, and without interference from the Contractor's completion of remaining work or correction of deficiencies in completed work. In no event shall the Work be deemed Substantially Complete if all fire and life safety systems are not tested and accepted by the Authority Having Jurisdiction, where such acceptance is required under the Contract.

(2) With reasonable advance notice, the Contractor shall submit to the Contracting Officer a written proposal recommending a Substantial Completion date (Notice of Substantial Completion). The Contracting Officer shall conduct inspections and make a determination of Substantial Completion within a reasonable time. If the Contracting Officer takes exception to the Notice of Substantial Completion, the Contractor shall be entitled to a written notice of conditions precluding determination of Substantial Completion.

(3) The Contractor shall only be entitled to an extension of time to address such conditions if, and to the extent that, the Contracting Officer provides notice of such conditions more than thirty (30) calendar days after receipt of the Notice of Substantial Completion.

(4) Substantial Completion shall be established by the Contracting Officer's issuance of a written determination specifying the date upon which the Work is Substantially Complete.

(5) The Contract is complete (Contract Completion) if and only if the Contractor has completed all Work and related Contract obligations, corrected all deficiencies and all punch list items, and complied with all conditions for final payment.

(6) Unless otherwise specifically noted, or otherwise clear from context, all references in this Contract to "acceptance" shall refer to issuance of a written determination of Substantial Completion.

(7) The Contractor shall not be entitled to final payment or release of any retainage held by the Government until after Contract Completion. If the Contractor does not achieve Contract Completion within the time required by this Contract, the Government shall be entitled, after providing notice to the Contractor, to complete any work remaining unfinished. The Contractor shall be liable to the Government for all costs incurred by the Government to complete such work.

III.I. Use and Possession Prior to Substantial Completion

FAR 52.236-11, Use and Possession Prior to Completion, is supplemented as follows:

Exercise by the Government of the right conferred by FAR 52.236-11 shall not relieve the Contractor of responsibility for completing any unfinished components of the Work.

III.J. Finality of Contract Modifications

As set forth elsewhere in this Contract, the Contractor is entitled to additional consideration under certain conditions, including the issuance of change orders. It is the Contractor's duty to include in proposals for equitable adjustment or other consideration all compensation to which it may be entitled, including cost and time. Unless otherwise explicitly stated in a modification to the Contract providing such consideration, adjustments to the Contract price or time agreed upon therein shall be deemed to provide all compensation to which the Contractor is entitled, and shall constitute final settlement of the Contractor's entitlement to compensation on account of the change or other condition giving rise to the modification.

III.K. Liquidated Damages

FAR 52.211-12, Liquidated Damages is supplemented as follows:

(1) The Contractor acknowledges that time is of the essence for the performance of the Work, and that determining actual damages from delay would be extremely difficult and impractical. If the Contractor fails to achieve Substantial Completion of the Work within the time specified in this Contract, the Contractor shall be liable to the Government for liquidated damages at the rate specified in Section I (Project Information), paragraph entitled, "*Liquidated Damages Rate*," for each calendar day following the required completion date that the Work is not Substantially Complete.

(2) If the Contract requires different completion dates for different phases or portions of the Work, the Contractor shall be liable for liquidated damages at the specified rate for each calendar day following the required completion date that the phase or portion of Work is not Substantially Complete. If a single rate is specified, the specified rate shall be apportioned between the different phases or portions of the Work.

(3) If the Government elects to accept any portion of the Work not specifically designated as a phase or portion of Work with its own required completion date, the liquidated damage rate shall be apportioned between accepted work and uncompleted work, and the Contractor's liability for liquidated damages shall be computed accordingly.

III.L. Insurance Requirements /

(1) The Contractor shall obtain and maintain for the entire life of the Contract, in addition to any insurance required by law, the following minimum kinds and amounts of insurance required pursuant to FAR clause 52.228-5, Insurance – Work on a Government Installation, and GSAR 552.228-5, Government as Additional Insured.

(a) Workers' compensation insurance in the amount required by the jurisdiction in which the Contract is performed. The Contractor shall obtain Employers' liability coverage of at least \$2,000,000. If occupational diseases are not covered by workers' compensation insurance, Employers' liability coverage shall include occupational diseases.

(b) Broad form comprehensive commercial general liability insurance in the amount of at least \$5,000,000 per occurrence. Such insurance shall include, but not be limited to, contractual liability, bodily injury and property damage.

(c) Comprehensive automobile liability covering the operation of all automobiles used in connection with performing the Contract in the amount of at least \$1,000,000 per person and \$2,500,000 per occurrence for bodily injury and \$1,000,000 per occurrence for property damage.

(2) The Contractor shall promptly provide to the Contracting Officer proof that it has obtained insurance required by the Contract in the form of certificates of insurance. The Contractor shall submit to the Contracting Officer all renewal certificates issued during the life of this Contract immediately upon issuance.

III.M. Order of Precedence

Different requirements within this Contract shall be deemed inconsistent only if compliance with both cannot be achieved. In case of inconsistency between Contract Documents, the following order of precedence shall apply:

- (1) Section IV of the Agreement
- (2) Sections I, II, and III of the Agreement
- (3) The Statement of Work
- (4) The Specifications
- (5) The Drawings
- (6) Exhibits and Other Attachments

III.N. Administrative Matters

(1) *Project Meetings.* The Contractor shall attend a preconstruction conference and shall participate in regularly scheduled Project meetings.

(2) *Schedule of Values.* The Contractor shall prepare and submit for approval a detailed cost breakdown of the Contract price, to be referred to as the Schedule of Values, assigning values

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to each component of the Work. Values must include all direct and indirect costs, although a separate value for bond costs may be established. The Schedule of Values must contain sufficient detail to enable the Contracting Officer to evaluate applications for payment. If this Contract requires that the Project Schedule be cost loaded, the Schedule of Values will be derived from the Project Schedule.

(3) *Payments.* FAR clause 52.232-5, Payments under Fixed-Price Construction Contracts, is supplemented as follows:

(a) Before submitting a request for payment, the Contractor shall attend preinvoice payment meetings each month, as scheduled, with the designated Government representative for the purpose of facilitating review and approval of payment requests. Payment meetings may be conducted in person or by telephone. The Contractor shall provide documentation to support the prospective payment request.

(b) The Contractor shall submit its invoices to the Contracting Officer. Separate payment requests shall be submitted for progress payments, payments of retainage, and partial or final payments.

(c) If the invoice does not meet the requirements of FAR Clause 52.232-27 (a)(2) and the requirements specified in Subparagraphs (3)(a),(d),(e),and(f) of the Administrative Matters clause, the Contracting Officer may return the invoice to the Contractor without payment for correction. If the Contracting Officer disputes the requested payment amount, the Government may pay the portion of the requested payment that is undisputed.

(d) Invoices shall be submitted in an original and two (2) copies to the designated billing office specified in this Contract or in individual delivery/work orders.

(e) Invoices must include the Account Document Number (ADN) assigned at award.

(f) The Contractor shall submit the following information or documentation with each invoice:

(i) GSA Form 184A and/or 184B - Construction Progress Report (Construction Phases Only) or AIA Form G702, including the updated Schedule of Values upon which the payment request is based;

(ii) GSA Form 2419 - Certification of Progress Payments Under Fixed-Price Construction Contract;

(iii) The payment terms that apply for the particular services rendered;

(iv) Additional documentation:

Not Applicable

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(g) GSA will not be obligated to issue final payment unless the Contractor has furnished to the Contracting Officer a release of claims against the Government relating to this Contract, and submitted all required product warranties, as-built drawings, operating manuals, and other items as specified in the Contract. The Contractor may reserve from the release specific claims only if such claims are explicitly identified with stated claim amounts. All release forms must bear the original signature of the signer and must be affixed with the Contractor's corporate seal or the seal of a Notary Public.

(4) *Prompt Payment.* In accordance with FAR clause 52.232-27, the period for payments is as follows:

- (a) Progress Payments: 14 days
- (b) Subsequent Subcontractor Payments: 7 days

(5) *Payment Information.* The General Services Administration (GSA) makes information on contract payments available electronically at <http://www.finance.gsa.gov>. The Contractor may register at the site and review its record of payments. This site provides information only on payments made by GSA, not by other agencies.

(6) *Security Clearances.* Contractor shall comply with the following requirements pertaining to security clearances:

(a) All personnel performing work under the Contract on the Project site must obtain an Enter on Duty (EOD) determination before they will be granted access to the site.

(b) To obtain an EOD determination, Contractor shall submit for all such personnel fingerprints on Form SF87 and a completed Contractor Information Worksheet (CIW). Detailed information is available at <http://www.gsa.gov/portal/category/107203>. USAccess Credentialing Centers can be located at <http://www.fedidcard.gov/centerlist.aspx>.

(c) In addition, all such personnel who will be on site 6 months or longer must apply for and receive clearance in accordance with Homeland Security Presidential Directive 12 (HSPD-12). See Section IV, *Contract Clauses*, GSAR 552.204-9.

(7) *Safeguarding and Dissemination of Sensitive But Unclassified (SBU) Building Information.* This clause applies to all recipients of SBU building information, including offerors, bidders, awardees, contractors, subcontractors, lessors, suppliers and manufacturers.

(a) Marking SBU. Contractor-generated documents that contain building information must be reviewed by GSA to identify any SBU content, before the original or any copies are disseminated to any other parties. If SBU content is identified, the Contracting Officer (CO) may direct the contractor, as specified elsewhere in this contract, to imprint or affix SBU document markings to the original documents and all copies, before any dissemination.

(b) Authorized recipients.

(i) Building information designated SBU must be protected with access strictly controlled and limited to those individuals having a legitimate business need to know such information. Those with a need to know may include Federal, State and local government entities, and nongovernment entities engaged in the conduct of business on behalf of or with GSA. Nongovernment entities may include architects, engineers, consultants, contractors, subcontractors, suppliers, utilities, and others submitting an offer or bid to GSA, or performing work under a GSA contract or subcontract. Recipient contractors must be registered as "active"

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in the System for Award Management (SAM) database at www.sam.gov and have a legitimate business need to know such information. If a subcontractor is not registered in the SAM and has a need to possess SBU building information, the subcontractor shall provide to the contractor its DUNS number or its tax ID number and a copy of its business license. The contractor shall keep this information related to the subcontractor for the duration of the contract and subcontract.

(ii) All GSA personnel and Contractors must be provided SBU building information when needed for the performance of official Federal, State, and local government functions, such as for code compliance reviews and for the issuance of building permits. Public safety entities such as fire and utility departments may require access to SBU building information on a need to know basis. This clause must not prevent or encumber the dissemination of SBU building information to public safety entities.

c. Dissemination of SBU building information:

(i) By electronic transmission. Electronic transmission of SBU information outside of the GSA network must use session encryption (or alternatively, file encryption). Encryption must be via an approved NIST algorithm with a valid certification, such as Advanced Encryption Standard (AES) or Triple Data Encryption Standard (3DES), in accordance with Federal Information Processing Standards Publication (FIPS PUB) 140-2, Security Requirements for Cryptographic Modules per GSA policy.

(ii) By nonelectronic form or on portable electronic data storage devices. Portable electronic data storage devices include, but are not limited to CDs, DVDs, and USB drives. Nonelectronic forms of SBU building information include paper documents, among other formats.

1) By mail. Contractors must utilize only methods of shipping that provide services for monitoring receipt such as track and confirm, proof of delivery, signature confirmation, or return receipt.

2) In person. Contractors must provide SBU building information only to authorized recipients with a need to know such information. Further information on authorized recipients is found in Section 2 of this clause.

d. Record keeping. Contractors must maintain a list of all entities to which SBU is disseminated, in accordance with sections 2 and 3 of this clause. This list must include at a minimum: (1) the name of the State, Federal, or local government entity, utility, or firm to which SBU has been disseminated; (2) the name of the individual at the entity or firm who is responsible for protecting the SBU building information, with access strictly controlled and limited to those individuals having a legitimate business need to know such information; (3) contact information for the named individual; and (4) a description of the SBU building information provided. Once "as built" drawings are submitted, the contractor must collect all lists maintained in accordance with this clause, including those maintained by any subcontractors and/or suppliers, and submit them to the CO. For Federal buildings, final payment may be withheld until the lists are received.

e. Safeguarding SBU documents. SBU building information (both electronic and paper formats) must be protected, with access strictly controlled and limited to those individuals having a legitimate business need to know such information. GSA contractors and subcontractors must not take SBU building information outside of GSA or their own facilities or network, except as necessary for the performance of that contract. Access to the information must be limited to those with a legitimate business need to know.

f. Destroying SBU building information. When no longer needed, SBU building information must be destroyed so that marked information is rendered unreadable and incapable of being restored, in accordance with guidelines provided for media sanitization within GSA CIO IT Security 06-32, Media Sanitization Guide and Appendix A of NIST Special Publication 800-88, Guidelines for Media Sanitization. Alternatively, SBU building information may be returned to the CO.

g. Notice of disposal. The contractor must notify the CO that all SBU building information has been returned or destroyed by the contractor and its subcontractors or suppliers in accordance with paragraphs 4 and 6 of this clause, with the exception of the contractor's record copy. This notice must be submitted to the CO at the completion of the contract to receive final payment. For leases, this notice must be submitted to the CO at the completion of the lease term. The contractor may return the SBU documents to the CO rather than destroying them.

h. Incidents. All improper disclosures of SBU building information must be immediately reported to the CO at <insert address and contact information> . If the contract provides for progress payments, the CO may withhold approval of progress payments until the contractor provides a corrective action plan explaining how the contractor will prevent future improper disclosures of SBU building information. Progress payments may also be withheld for failure to comply with any provision in this clause until the contractor provides a corrective action plan explaining how the contractor will rectify any noncompliance and comply with the clause in the future.

i. Subcontracts. The contractor and subcontractors must insert the substance of this clause in all subcontracts.

III.O. Non-Compliance with Contract Requirements

In the event the Contractor, after receiving written notice from the Contracting Officer of non-compliance with any requirement of this Contract, fails to initiate promptly such action as may be appropriate to comply with the specified requirement within a reasonable period of time, the Contracting Officer shall have the right to order the Contractor to stop any or all work under the Contract until the Contractor has complied or has initiated such action as may be appropriate to comply within a reasonable period of time. The Contractor will not be entitled to any extension of Contract time or payment for any costs incurred as a result of being ordered to stop work for such cause.

III.P. Safeguarding Sensitive Data and Information Technology Resources

In accordance with FAR 39.105, this section is included in the contract. This section applies to all users of sensitive data and information technology (IT) resources, including awardees, contractors, subcontractors, lessors, suppliers and manufacturers. The following GSA policies must be followed. These policies can be found at <http://www.gsa.gov/directives>.

1. CIO P 2100.1 GSA Information Technology (IT) Security Policy
2. CIO P 2100.2B GSA Wireless Local Area Network (LAN) Security
3. CIO 2100.3B Mandatory Information Technology (IT) Security Training Requirement for Agency and Contractor Employees with Significant Security Responsibilities
4. CIO 2104.1A GSA Information Technology IT General Rules of Behavior

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5. CIO 2105.1 B GSA Section 508: Managing Electronic and Information Technology for Individuals with Disabilities
6. CIO 2106.1 GSA Social Media Policy
7. CIO 2107.1 Implementation of the Online Resource Reservation Software
8. CIO 2160.4 Provisioning of Information Technology (IT) Devices
9. CIO 2162.1 Digital Signatures
10. CIO P 2165.2 GSA Telecommunications Policy
11. CIO P 2180.1 GSA Rules of Behavior for Handling Personally Identifiable Information (PII)
12. CIO 2182.2 Mandatory Use of Personal Identity Verification (PIV) Credentials
13. CIO P 1878.2A Conducting Privacy Impact Assessments (PIAs) in GSA
14. CIO IL-13-01 Mobile Devices and Applications
15. CIO IL-14-03 Information Technology (IT) Integration Policy
16. HCO 9297.1 GSA Data Release Policy
17. HCO 9297.2B GSA Information Breach Notification Policy
18. ADM P 9732.1 D Suitability and Personnel Security

The contractor and subcontractors must insert the substance of this section in all subcontracts.

III.Q. Options and Allowances

Not Applicable

III.R. Additional Terms and Conditions

Contractor must comply with FAR 52.219-14 Limitations on Subcontracting

IV. Contract Clauses

IV.A. Clauses Incorporated In Full Text

(1) FAR 52.222-99 Establishing a Minimum Wage for Contractor (JUL 2014) (DEVIATION)

This clause implements Executive Order 13658, Establishing a Minimum Wage for Contractors, dated February 12, 2014, and OMB Policy Memorandum M-14-09, Implementation of the President's Executive Order Establishing a Minimum Wage for Contractors, dated June 12, 2014.

(a) Each service employee, laborer, or mechanic employed in the United States (the 50 states and the District of Columbia) in the performance of this contract by the prime Contractor or any subcontractor, regardless of any contractual relationship which may be alleged to exist between the Contractor and service employee, laborer, or mechanic, shall be paid not less than the applicable minimum wage under Executive Order 13658. The minimum wage required to be paid to each service employee, laborer, or mechanic performing work on this contract between January 1, 2015, and December 31, 2015, shall be \$10.10 per hour.

(b) The Contractor shall adjust the minimum wage paid under this contract each time the Secretary of Labor's annual determination of the applicable minimum wage under section 2(a)(ii) of Executive Order 13658 results in a higher minimum wage. Adjustments to the Executive Order minimum wage under section 2(a)(ii) of Executive Order 13658 will be effective for all service employees, laborers, or mechanics subject to the Executive Order beginning January 1 of the following year. The Secretary of Labor will publish annual determinations in the Federal Register no later than 90 days before such new wage is to take effect. The Secretary will also publish the applicable minimum wage on www.wdol.gov (or any successor website). The applicable published minimum wage is incorporated by reference into this contract.

(c) The Contracting Officer will adjust the contract price or contract unit price under this clause only for the increase in labor costs resulting from the annual inflation increases in the Executive Order 13658 minimum wage beginning on January 1, 2016. The contracting Officer shall consider documentation as to the specific costs and workers impacted in determining the amount of the adjustment.

(d) The Contracting Officer will not adjust the contract price under this clause for any costs other than those identified in paragraph (c) of this clause, and will not provide price adjustments under this clause that result in duplicate price adjustments with the respective clause of this contract implementing the Service Contract Labor Standards statute (formerly known as the Service Contract Act) or the Wage Rate Requirements (Construction) statute (formerly known as the Davis Bacon Act).

(e) The Contractor shall include the substance of this clause, including this paragraph (e) in all subcontracts.

(2) FAR 52.223-2 Affirmative Procurement of Biobased Products Under Service and Construction Contracts (JUL 2012)

(a) In the performance of this contract, the contractor shall make maximum use of biobased products that are United States Department of Agriculture (USDA)-designated items unless—

(1) The product cannot be acquired—

- (i) Competitively within a time frame providing for compliance with the contract performance schedule;
- (ii) Meeting contract performance requirements; or
- (iii) At a reasonable price.

(2) The product is to be used in an application covered by a USDA categorical exemption (see 7 CFR 3201.3(e)). For example, all USDA-designated items are exempt from the preferred procurement requirement for the following:

- (i) Spacecraft system and launch support equipment.
- (ii) Military equipment, i.e., a product or system designed or procured for combat or combat-related missions.

(b) Information about this requirement and these products is available at <http://www.biopreferred.gov>.

(c) In the performance of this contract, the Contractor shall—

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(1) Report to <http://www.sam.gov>, with a copy to the Contracting Officer, on the product types and dollar value of any USDA-designated biobased products purchased by the Contractor during the previous Government fiscal year, between October 1 and September 30; and

(2) Submit this report no later than—

- (i) October 31 of each year during contract performance; and
- (ii) At the end of contract performance.

(3) FAR 52.223-9 Estimate of Percentage of Recovered Material Content for EPA-Designated Items (MAY 08)

(a) *Definitions.* As used in this clause—

“Postconsumer material” means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of “recovered material.”

“Recovered material” means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(b) The Contractor, on completion of this Contract, shall—

(1) Estimate the percentage of the total recovered material content for EPA-designated item(s) delivered and/or used in contract performance, including, if applicable, the percentage of post-consumer material content; and

(2) Submit this estimate to the Contracting Officer.

(4) GSAR 552.204-9 Personal Identity Verification Requirements (OCT 2012)

(a) The contractor shall comply with GSA personal identity verification requirements, identified at <http://www.gsa.gov/hspd12>, if contractor employees require access to GSA controlled facilities or information systems to perform contract requirements.

(b) The Contractor shall insert this clause in all subcontracts when the subcontractor is required to have access to a GSA-controlled facility or access to a GSA-controlled information system.

(5) GSAR 552.252-6 Authorized Deviations in Clauses (Deviation FAR 52.252-6) (SEP 99)

(a) Deviations to FAR clauses.

(1) This solicitation or contract indicates any authorized deviation to a Federal Acquisition Regulation (48 CFR Chapter 1) clause by the addition of “(DEVIATION)” after the date of the clause, if the clause is not published in the General Services Administration Acquisition Regulation (48 CFR Chapter 5).

(2) This solicitation indicates any authorized deviation to a Federal Acquisition Regulation (FAR) clause that is published in the General Services Administration Acquisition Regulation by the addition of “(DEVIATION (FAR clause no.))” after the date of the clause.

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(b) Deviations to GSAR clauses. This solicitation indicates any authorized deviation to a General Services Administration Acquisition Regulation clause by the addition of “(DEVIATION)” after the date of the clause.

(c) “Substantially the same as” clauses. Changes in wording of clauses prescribed for use on a “substantially the same as” basis are not considered deviations.

(6) Buy American Requirements

FAR 52.225-9 Buy American—Construction Materials (May 2014)

(a) *Definitions.* As used in this clause--

“Commercially available off-the-shelf (COTS) item”—

(1) Means any item of supply (including construction material) that is—

(i) A commercial item (as defined in paragraph (1) of the definition at FAR 2.101);

(ii) Sold in substantial quantities in the commercial marketplace; and

(iii) Offered to the Government, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in 46 U.S.C. 40102(4), such as agricultural products and petroleum products.

“Component” means an article, material, or supply incorporated directly into a construction material.

“Construction material” means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies.

However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

“Cost of components” means--

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

(2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

“Domestic construction material” means—

(1) An unmanufactured construction material mined or produced in the United States;

(2) A construction material manufactured in the United States, if—

(i) The cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic; or

(ii) The construction material is a COTS item.

“Foreign construction material” means a construction material other than a domestic construction material.

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"United States" means the 50 States, the District of Columbia, and outlying areas.

(b) *Domestic preference.*

(1) This clause implements the 41 U.S.C. chapter 83, Buy American, by providing a preference for domestic construction material. In accordance with 41 U.S.C. 1907, the component test of the Buy American statute is waived for construction material that is a COTS item. (See FAR 12.505(a)(2)). The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraphs (b)(2) and (b)(3) of this clause.

(2) This requirement does not apply to information technology that is a commercial item or to the construction materials or components listed by the Government as follows: None.

(3) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(2) of this clause if the Government determines that

(i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the requirements of the Buy American statute is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;

(ii) The application of the restriction of the Buy American statute to a particular construction material would be impracticable or inconsistent with the public interest; or

(iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) *Request for determination of inapplicability of the Buy American statute.*

(1)

(i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(3) of this clause shall include adequate information for Government evaluation of the request, including--

(A) A description of the foreign and domestic construction materials;

(B) Unit of measure;

(C) Quantity;

(D) Price;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to the Buy American statute applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(3)(i) of this clause.

(3) Unless the Government determines that an exception to the Buy American statute applies, use of foreign construction material is noncompliant with the Buy American statute.

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(d) *Data*. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Price Comparison

Construction material description	Unit of measure	Quantity	Price (dollars) *
<i>Item 1</i>			
Foreign construction material			
Domestic construction material			
<i>Item 2</i>			
Foreign construction material			
Domestic construction material			

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

[Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]*

(End of Clause)

(
(7) Additional Clauses

(8) Special 8(a) Requirements

None

(9) FAR 52.222-62, Paid Sick Leave under Executive Order 13706

Implements EO 13706 which requires incorporation of new FAR Clause 52.222-62 in all contracts with 52.222-6, Construction Wage Rate Requirements, (\$2,000 threshold), or 52.222-41, Service Contract Labor Standards, (\$2,500 threshold) and performance is in whole or in part in the United States.

(10) FAR 52.222-60 Paycheck Transparency (Executive Order 13673) (Oct 2016)

Utilize updated templates on and after 1 January to ensure clause incorporation for actions over \$500K. Ensure new service solicitations and contracts, effective 1 January 2017, valued over \$500K include the new clause

IV.B. Clauses Incorporated by Reference

The following FAR/GSAR clauses are supplemented in Section III, Terms and Conditions: 52.211-10, 52.211-12, 52.211-13, 52.228-5, 52.232-5, 52.232-27, 52.236-6, 52.236-11, 52.236-21, 552.228-5, 552.236-77, 552.236-78, 552.236-79 and 552.246-72.

(1) FAR 52.252-2, Clauses Incorporated by Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The full text of a clause may also be accessed electronically at this address:

<http://www.acquisition.gov/comp/far/index.html>

(2) Federal Acquisition Regulation (FAR) Clauses:

NUMBER	TITLE	DATE
52.202-1	Definitions	NOV 13
52.203-3	Gratuities	APR 84
52.203-5	Covenant Against Contingent Fees	JUN 14
52.203-6	Restrictions on Subcontractor Sales to the Government	SEP 06
52.203-7	Anti-Kickback Procedures	MAY 14
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	MAY 14
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity	MAY 14
52.203-12	Limitation on Payments to Influence Certain Federal Transactions	OCT 10
52.203-13	Contractor Code of Business Ethics and Conduct	APR 10
52.203-14	Display of Hotline Poster(s) (Applies if Contract is Greater than \$5 Million or Performance Period is Greater than 120 Days)	DEC 07
52.203-17	Contractor Employee Whistleblower Rights and Requirement to Inform Employees of Whistleblower Rights	APR 14
52.204-2	Security Requirements	AUG 96
52.204-4	Printed or Copied Double-Sided on Postconsumer Fiber Content Paper	MAY 11
52.204-7	System for Award Management	JUL 13
52.204-9	Personal Identity Verification of Contractor Personnel	JAN 11
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	JUL 13
52.204-13	System for Award Management Maintenance	JUL 13

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52.204-14	Service Contract Reporting Requirements (Applies to contracts estimated total value of \$500,000 or greater)	JAN 14
52.204-18	Commercial and Government Entity Code Maintenance	NOV 14
52.204-19	Incorporation by Reference of Representations and Certifications	DEC 14
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment	AUG 13
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters	JUL 13
52.209-10	Prohibition on Contracting with Inverted Domestic Corporations	DEC 14
52.211-10	Commencement, Prosecution, and Completion of Work	APR 84
52.211-12	Liquidated Damages—Construction (If Applicable)	SEP 00
52.211-13	Time Extensions	SEP 00
52.211-18	Variation in Estimated Quantity	APR 84
52.215-2	Audit and Records-Negotiation	OCT10
52.215-10	Price Reduction for Defective Cost or Pricing Data	AUG 11
52.215-11	Price Reduction for Defective Cost or Pricing Data—Modifications	AUG 11
52.215-12	Subcontractor Cost or Pricing Data	OCT 10
52.215-13	Subcontractor Cost or Pricing Data—Modifications	OCT 10
52.215-15	Pension Adjustments and Asset Reversions	OCT 10
52.215-17	Waiver of Facilities Capital Cost of Money	OCT 97
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other Than Pensions	JUL 05
52.219-8	Utilization of Small Business Concerns	OCT 14
52.219-14	Limitations on Subcontracting	NOV 11
52.219-28	Post-Award Small Business Program Rerepresentation	JUL 13
52.222-3	Convict Labor	JUN 03
52.222-4	Contract Work Hours and Safety Standards—Overtime Compensation	MAY 14
52.222-6	Construction Wage Rate Requirements	MAY 14
52.222-7	Withholding of Funds	MAY 14
52.222-8	Payrolls and Basic Records	MAY 14

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52.222-9	Apprentices and Trainees	JUL 05
52.222-10	Compliance with Copeland Act Requirements	FEB 88
52.222-11	Subcontracts (Labor Standards)	MAY 14
52.222-12	Contract Termination—Debarment	MAY 14
52.222-13	Compliance with Construction Wage Rate Requirements and Related Regulations	MAY 14
52.222-14	Disputes Concerning Labor Standards	FEB 88
52.222-15	Certification of Eligibility	MAY 14
52.222-21	Prohibition of Segregated Facilities	APR 15
52.222-26	Equal Opportunity	APR 15
52.222-27	Affirmative Action Compliance Requirements for Construction	APR 15
52.222-35	Equal Opportunity for Veterans	JUL 14
52.222-36	Equal Opportunity for Workers with Disabilities	JUL 14
52.222-37	Employment Reports on Veterans	JUL 14
52.222-40	Notification of Employee Rights Under the National Labor Relations Act	DEC 10
52.222-50	Combating Trafficking in Persons	MAR 15
52.222-54	Employment Eligibility Verification	AUG 13
52.222-55	Minimum Wages Under Executive Order 13658	DEC 14
52.223-3	Hazardous Material Identification and Material Safety Data	JAN 97
	Alternate I	JUL 95
52.223-5	Pollution Prevention and Right-to-Know Information	MAY 11
52.223-6	Drug-Free Workplace	MAY 01
52.223-15	Energy Efficiency in Energy-Consuming Products	DEC 07
52.223-17	Affirmative Procurement of EPA-designated Items in Service and Construction Contracts	MAY 08
52.223-18	Encouraging Contractor Policies to Ban Text Messaging While Driving	AUG 11
52.224-1	Privacy Act Notification	APR 84
52.224-2	Privacy Act	APR 84

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52.223-19	Compliance with Environmental Management Systems	MAY 11
52.225-13	Restrictions on Certain Foreign Purchases	JUN 08
52.227-1	Authorization and Consent	DEC 07
52.227-2	Notice and Assistance Regarding Patent and Copyright	DEC 07
52.227-4	Patent Indemnity—Construction Contracts	DEC 07
52.228-2	Additional Bond Security	OCT 97
52.228-5	Insurance—Work on a Government Installation	JAN 97
52.228-11	Pledges of Assets	JAN 12
52.228-12	Prospective Subcontractor Requests for Bonds	MAY 14
52.228-14	Irrevocable Letter of Credit	NOV 14
52.228-15	Performance and Payment Bonds—Construction	OCT 10
52.229-3	Federal, State, and Local Taxes	FEB 13
52.232-5	Payments under Fixed-Price Construction Contracts	MAY 14
52.232-17	Interest	MAY 14
52.232-23	Assignment of Claims	MAY 14
52.232-27	Prompt Payment for Construction Contracts	MAY 14
52.232-33	Payment by Electronic Funds Transfer—System for Award Management	JUL 13
52.232-39	Unenforceability of Unauthorized Obligations	JUN 13
52.232-40	Provide Accelerated Payments to Small Business Subcontractors	DEC 13
52.233-1	Disputes	MAY 14
	Alternate I	DEC 91
52.233-3	Protest after Award	AUG 96
52.233-4	Applicable Law for Breach of Contract Claim	OCT 04
52.236-2	Differing Site Conditions	APR 84
52.236-3	Site Investigation and Conditions Affecting the Work	APR 84
52.236-5	Material and Workmanship	APR 84
52.236-6	Superintendence by the Contractor	APR 84
52.236-7	Permits and Responsibilities	NOV 91
52.236-8	Other Contracts	APR 84

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52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements	APR 84
52.236-10	Operations and Storage Areas	APR 84
52.236-11	Use and Possession Prior to Completion	APR 84
52.236-12	Cleaning Up	APR 84
52.236-13	Accident Prevention Alternate I	NOV 91
52.236-14	Availability and Use of Utility Services	APR 84
52.236-17	Layout of Work	APR 84
52.236-21	Specifications and Drawings for Construction	FEB 97
52.242-13	Bankruptcy	JUL 95
52.242-14	Suspension of Work	APR 84
52.243-4	Changes	JUN 07
52.244-6	Subcontracts for Commercial Items	APR 15
52.245-1	Government Property Alternate 1	APR 12
52.245-9	Use and Charges	APR 12
52.246-12	Inspection of Construction	AUG 96
52.246-21	Warranty of Construction	MAR 94
52.248-3	Value Engineering—Construction	OCT 10
52.249-2	Termination for Convenience of the Government (Fixed-Price)	APR 12
	Alternate I	SEP 96
52.249-10	Default (Fixed-Price Construction)	APR 84
52.253-1	Computer Generated Forms	JAN 91

(3) GSA Acquisition Regulation (GSAR) Clauses:

NUMBER	TITLE	DATE
552.203-71	Restriction on Advertising	SEP 99
552.211-72	References to Specifications in Drawings	FEB 96
552.215-70	Examination of Records by GSA	FEB 96
552.227-70	Government Rights (Unlimited)	MAY 89

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552.228-5	Government as Additional Insured	MAY 09
552.229-70	Federal, State, and Local Taxes	APR 84
552.236-70	Definitions	APR 84
552.236-71	Authorities and Limitations	APR 84
552.236-74	Working Hours	APR 84
552.236-75	Use of Premises	APR 84
552.236-76	Measurements	APR 84
552.236-77	Specifications and Drawings	SEP 99
552.236-78	Shop Drawings, Coordination Drawings, and Schedules	SEP 99
552.236-79	Samples	APR 84
552.236-80	Heat	APR 84
552.236-82	Subcontracts	APR 84
552.243-71	Equitable Adjustments	JAN 09
552.246-72	Final Inspection and Tests	SEP 99

(1) 8(a) Set-Aside

This contract is an 8(a) Set-Aside; the following clause is incorporated by reference:

552.219-74 Section 8(a) Direct Award

In accordance with 552.219-74, the cognizant SBA district office is:
Louisiana District Office, New Orleans, LA 70130

IV.C. Subcontract Requirements

The Contractor is advised that many FAR, GSAR and other Agreement clauses are required to be flowed down to subcontracts. Clauses containing flow down requirements include, but may not be limited to, those listed below. The Contractor is responsible for ensuring that all necessary flow-down clauses are included in all subcontracts.

(1) FAR Clauses:

NUMBER	TITLE	DATE
	Applicable Buy American Clause (See Buy American Requirements under "Clauses Incorporated in Full Text" in Section IV)	
52.203-7	Anti-Kickback Procedures	MAY 14
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity	MAY 14

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52.203-12	Limitation on Payments to Influence Certain Federal Transactions	OCT 10
52.203-13	Contractor Code of Business Ethics and Conduct	APR 10
52.203-14	Display of Hotline Poster(s) (Applies if Contract is Greater than \$5 Million or Performance Period is Greater than 120 Days)	DEC 07
52.204-9	Personal Identity Verification of Contractor Personnel	JAN 11
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	JUL 13
52.204-14	Service Contract Reporting Requirements (Applies to contracts estimated total value of \$500,000 or greater)	JAN 14
52.215-2	Audit and Records-Negotiation	OCT 10
52.215-12	Subcontractor Cost or Pricing Data	OCT 10
52.215-13	Subcontractor Cost or Pricing Data—Modifications	OCT 10
52.215-15	Pension Adjustments and Asset Reversions	OCT 10
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other Than Pensions	JUL 05
52.222-4	Contract Work Hours and Safety Standards—Overtime Compensation	MAY 14
52.222-6	Construction Wage Rate Requirements	MAY 14
52.222-7	Withholding of Funds	MAY 14
52.222-8	Payrolls and Basic Records	MAY 14
52.222-9	Apprentices and Trainees	JUL 05
52.222-10	Compliance with Copeland Act Requirements	FEB 88
52.222-11	Subcontracts (Labor Standards)	MAY 14
52.222-12	Contract Termination—Debarment	MAY 14
52.222-13	Compliance with Construction Wage Rate Requirements and Related Regulations	MAY 14
52.222-14	Disputes Concerning Labor Standards	FEB 88
52.222-15	Certification of Eligibility	MAY 14
52.222-21	Prohibition of Segregated Facilities	APR 15
52.222-26	Equal Opportunity	APR 15

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52.222-27	Affirmative Action Compliance Requirements for Construction	APR 15
52.222-35	Equal Opportunity for Veterans	JUL 14
52.222-36	Equal Opportunity for Workers with Disabilities	JUL 14
52.222-37	Employment Reports on Veterans	JUL 14
52.222-40	Notification of Employee Rights Under the National Labor Relations Act	DEC 10
52.222-50	Combating Trafficking in Persons	FEB 09
52.222-54	Employment Eligibility Verification	AUG 13
52.222-55	Minimum Wages Under Executive Order 13658	DEC 14
52.223-6	Drug-Free Workplace	MAY 01
52.223-15	Energy Efficiency in Energy-Consuming Products	DEC 07
52.223-17	Affirmative Procurement of EPA-designated Items in Service and Construction Contracts	MAY 08
52.223-18	Encouraging Contractor Policies to Ban Text Messaging While Driving	AUG 11
52.223-19	Compliance with Environmental Management Systems	MAY 11
52.225-13	Restrictions on Certain Foreign Purchases	JUN 08
52.227-1	Authorization and Consent	DEC 07
52.228-5	Insurance—Work on a Government Installation	JAN 97
52.236-13	Accident Prevention Alternate I	NOV 91

(2) GSA Acquisition Regulation (GSAR) Clauses:

NUMBER	TITLE	DATE
552.215-70	Examination of Records by GSA	FEB 96

(3) Agreement Clauses:

In Section III of this contract, *Sensitive But Unclassified (SBU) Building Information* and Safeguarding Sensitive Data and information Technology Resources. (Terms and Conditions)

Offeror Representations and Certifications

1. FAR 52.204-8 Annual Representations and Certifications (Jan 2016)

(a)

(1) The North American Industry classification System (NAICS) code for this acquisition is 238210 (Electrical Contractors and Other Wiring Installation Contractors)

(2) The small business size standard is \$15 million average annual receipts.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)

(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certification in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (d) applies.

☐ (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)

(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations—Representation.

(vi) 52.209-5; Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.214-14, Place of Performance--Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(viii) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(ix) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(x) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xi) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xiv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA-designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xv) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA- designated items.

(xvi) 52.225-2, Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xvii) 52.225-4, Buy American--Free Trade Agreements--Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at 52.225- 3.

(A) If the acquisition value is less than \$25,000, the basic provision applies.

(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$77,533, the provision with its Alternate II applies.

(D) If the acquisition value is \$79,507 or more but is less than \$100,000, the provision with its Alternate III applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan--Certification. This provision applies to all solicitations.

(xx) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran—Representation and Certification. This provision applies to all solicitations.

(xxi) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following representations or certifications are applicable as indicated by the Contracting Officer:

[Contracting Officer check as appropriate.]

☒ (i) 52.204-17, Ownership or Control of Offeror.

☐ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

☐ (iii) 52.222-48, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.

☐ (iv) 52.222-52 Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Certification.

☐ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Alternate I only).

___ (vi) 52.227-6, Royalty Information.

___ (A) Basic.

___ (B) Alternate I.

___ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the SAM Web site accessed through <https://www.acquisition.gov>. After reviewing the SAM database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below *[offeror to insert changes, identifying change by clause number, title, date]*.

These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

(End of Provision)

2. 52.204-16 COMMERCIAL AND GOVERNMENT ENTITY CODE REPORTING (JUL 2015)

(a) Definition. As used in this provision—

“Commercial and Government (CAGE) code” means--

(1) An identifier assigned to entities located in the United States or its outlying areas by the Defense Logistics Agency (DLA) Contractor and Government Entity (CAGE) Branch to identify a commercial or Government entity; or

(2) An identifier assigned by a member of the North Atlantic Treaty Organization (NATO) or by the NATO Support Agency (NSPA) to entities located outside the United States and its outlying areas that the DLA Contractor and Government Entity (CAGE) Branch records and maintains in the CAGE master file. This type of code is known as an NCAGE code.

(b) The Offeror shall enter its CAGE code in its offer with its name and address or otherwise include it prominently in its proposal. The CAGE code entered must be for that name and address. Enter “CAGE” before the number. The CAGE code is required prior to award.

(c) CAGE codes may be obtained via –

(1) Registration in the system for Award management (SAM) at www.sam.gov. If the Offeror is located in the United States or its outlying areas and does not already have a CAGE code assigned, the DLA Contractor and Government Entity (CAGE) Branch will assign a CAGE code as a part of the SAM registration process. SAM registrants located outside the United States and its outlying areas shall obtain a NCAGE code prior to registration in SAM (see paragraph (c)(3) of this provision).

(2) The DLA Contractor and Government Entity (CAGE) Branch. If registration in SAM is not required for the subject procurement, and the offeror does not otherwise register in SAM, an offeror located in the United States or its outlying areas may request that a CAGE code be assigned by submitting a request at http://www.dlis.dla.mil/cage_welcome.asp.

(3) The appropriate country codification bureau. Entities located outside the United States and its outlying areas may obtain an NCAGE code by contacting the Codification Bureau in the foreign entity's country if that country is a member of NATO or a sponsored nation. NCAGE codes may be obtained from the NSPA if the foreign entity's country is not a member of NATO or a sponsored nation. Points of contact for codification bureaus and NSPA, as well as additional information on obtaining NCAGE codes, are available at <http://www.dlis.dla.mil/nato/ObtainCAGE.asp>.

(d) Additional guidance for establishing and maintaining CAGE codes is available at http://www.dlis.dla.mil/cage_welcome.asp.

(e) When a CAGE Code is required for the immediate owner and/or the highest-level owner by 52.204-17 or 52.212-3(p), the Offeror shall obtain the respective CAGE Code from that entity to supply the CAGE Code to the Government.

(f) Do not delay submission of the offer pending receipt of a CAGE code.

(End of Provision)

3. FAR 52.209-7 Information Regarding Responsibility Matters. (JUL 2013)

(a) *Definitions.* As used in this provision—

“Administrative proceeding” means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative Proceedings, Civilian Board of Contract Appeals Proceedings, and Armed Services Board of Contract Appeals Proceedings). This includes administrative proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include agency actions such as contract audits, site visits, corrective plans, or inspection of deliverables.

“Federal contracts and grants with total value greater than \$10,000,000” means—

(1) The total value of all current, active contracts and grants, including all priced options; and

(2) The total value of all current, active orders including all priced options under indefinite-delivery, indefinite-quantity, 8(a), or requirements contracts (including task and delivery and multiple-award Schedules).

“Principal” means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(b) The offeror ☐ has ☐ does not have current active Federal contracts and grants with total value greater than \$10,000,000.

(c) If the offeror checked “has” in paragraph (b) of this provision, the offeror represents, by submission of this offer, that the information it has entered in the Federal Awardee Performance and Integrity Information System (FAPIS) is current, accurate, and complete as of the date of submission of this offer with regard to the following information:

(1) Whether the offeror, and/or any of its principals, has or has not, within the last five years, in connection with the award to or performance by the offeror of a Federal contract or grant, been the subject of a proceeding, at the Federal or State level that resulted in any of the following dispositions:

(i) In a criminal proceeding, a conviction.

(ii) In a civil proceeding, a finding of fault and liability that results in the payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more.

(iii) In an administrative proceeding, a finding of fault and liability that results in—

(A) The payment of a monetary fine or penalty of \$5,000 or more; or

(B) The payment of a reimbursement, restitution, or damages in excess of \$100,000.

(iv) In a criminal, civil, or administrative proceeding, a disposition of the matter by consent or compromise with an acknowledgment of fault by the Contractor if the proceeding could have led to any of the outcomes specified in paragraphs (c)(1)(i), (c)(1)(ii), or (c)(1)(iii) of this provision.

(2) If the offeror has been involved in the last five years in any of the occurrences listed in (c)(1) of this provision, whether the offeror has provided the requested information with regard to each occurrence.

(d) The offeror shall post the information in paragraphs (c)(1)(i) through (c)(1)(iv) of this provision in FAPIIS as required through maintaining an active registration in the System for Award Management database via <https://www.acquisition.gov> (see [52.204-7](#)).

(End of Provision)

**Bureau of Labor Statistics
Wireless Installation Task
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212**

12. BACKGROUND

The U.S. Bureau of Labor Statistics (BLS) is the principal fact-finding agency for the Federal Government in the broad field of labor economics and statistics. BLS collects, processes, analyzes, and disseminates essential statistical data to the American public, the U.S. Congress, other Federal agencies, State and local governments, businesses, labor organizations, and international statistical organizations.

BLS is located in the Postal Square Building (PSB) at 2 Massachusetts Avenue, NE, Washington, DC 20212. The original post office building was the central post office for the city and was constructed between 1911 and 1914. The building underwent a major renovation in the early 1990s, and BLS moved into the PSB in 1992 and currently occupies approximately 700,000 square feet of space on the ground floor through the fifth floor.

BLS is seeking services to survey and install wireless access points with associated equipment and cabling to respective telecommunications closets so that all BLS office spaces on the ground, first second, third, fourth, and fifth floors have modern and reliable wireless access.

This Statement of Work (SOW) defines the requirements to provide wireless access to the ground, first, second, third, fourth, and fifth floors. This includes a thorough survey, necessary equipment and installation services.

13. EXISTING INFRASTRUCTURE

There are approximately 250 LAN switches currently installed in 27 telecom closets (TCs) located on six floors (the ground through the fifth floor) of the PSB. The current BLS LAN cable plant uses category 5 Unshielded Twisted Pair (UTP) cables to support both voice and data applications.

2.1 WORK AREA CONNECTIVITY

Current work area connectivity is provided by UTP in 6-cable bundles that run from the TCs to designated work areas. With a few exceptions throughout the building, the 6-cable bundles are run through the ceiling, down through wall-mounted access panels, and into the raised access flooring in the work areas. The cables terminate onto Multi User Telecommunication Outlet Assemblies (MUTOAs), each of which service a total of six end station jacks. At each workstation, two jacks are terminated inside a flush-mounted Floor Service Module (FSM); one jack is for data and the other is for voice. There are two FSMs per workstation.

2.3 TELECOMMUNICATION CLOSETS

There are 27 TCs in the BLS occupied areas of the PSB, and they are located on the ground floor through the fifth floor. Floors 2 through 5 are serviced by six TCs each (labeled A-F), the first floor is serviced by two TCs (A and E), and the ground floor is serviced by a single TC (main

distribution frame (MDF)). In each closet, UTP cables from the Work Area Outlets (WAO) are terminated onto two sets of patch panels, one of which is designated for data and the other for voice. The patch panels feature IDC-style punch down terminals, and they are installed onto 19-inch wide Ortronics racks.

14. SCOPE

3.1 OVERVIEW

The contractor shall provide and install the required material to complete this project. The work shall include but not be limited to the following:

Base Scope:

- j. Provide site survey to determine the quantity and location of Aruba AP225 Wireless Access Points that will be necessary to provide wireless coverage to all office spaces on the ground through fifth floors at the PSB. At a minimum, protocols 802.11a, 802.11b/g/n, and 802.11ac must be supported. The site survey should provide WAP locations in the drop down ceilings where possible.
- k. In accordance with the site survey results, furnish Aruba AP225 units or better with POE adapters to provide requested wireless coverage on the ground through fifth floors at the PSB.
- l. Furnish two Aruba 7220 (US) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T) JW758A controller to support the wireless infrastructure.

Option Scope (Option to be exercised at the Government's Discretion):

- a. Furnish and install a cable patch panel in each TC to support the new Category 6 cable runs that support the WAP infrastructure. Category 6 cable runs and AP's should be ran and mounted in the ceiling where possible.
- b. Furnish and install a new Category 6 structured cabling system in accordance with NEC requirements for low-flame and low-smoke.
- c. Furnish and install necessary Category 6 compatible hardware to complete TC installations.
- d. Furnish, install, label, and terminate all cables according to provided guidelines.
- e. Furnish, install, and label all faceplates, jacks, and high density patch panels according to provided guidelines.
- f. Furnish and install wiring management for each patch panel.
- g. Test all cabling and provide test results in soft copy, organized by closet and work area ID.
- h. Ensure all installation efforts adhere and comply with national, state, and/or local building codes applicable to the specific location.

- i. Ensure all installation efforts adhere and comply with requirements of the manufacturer's warranty program, and provide all warranty documentation.

3.2 CABLING AND RELATED EQUIPMENT

3.2.1 Cable and Related Equipment Specifications

The following cable specifications and testing requirements shall be adhered to for all installed Category 6 cable:

- c. The cable must be 100-Ohm Category 6 UTP.
- d. The Category 6 UDT balanced twisted pair cable shall meet or exceed the Category 6 transmission characteristics per issue of ANSI/TIA/EIA-586-C.2.
- e. The cable shall be plenum rated and meet applicable requirements of ICEA S-103-700-2001. All support materials such as tie wraps and/or Velcro wraps shall be plenum rated.
- f. The diameter of the insulated conductor shall be .14 to .25 inches.
- g. The cable shall consist of four 24 AWG twisted pairs.
- h. The cable jacket shall be CMP rated (according to the space it occupies).
- i. The cable shall be suitable for the environment in which they are to be installed.
- j. Category 6 cable shall be terminated in a TIA/EIA-568-B configuration.
- k. Patch panels for copper cabling shall be sized to fit EIA standard 19 inch wide equipment racks.

3.2.2 Cable and Related Equipment Installation

- l. All Category 6 UTP cabling and terminations shall be installed according to ANSI/TIA/EIA 568A and shall be adhered to for all aspects of the UTP cable plant. Jacks must be provided as individual units in order to provide the maximum flexibility. Also included shall be racks and/or cabinets, and horizontal/vertical wire management.
- m. The contractor shall supply cable and termination hardware. Documentation from the manufacturer shall be required to validate the installation. All intended material to be used shall have a manufacturer's cut sheet and be provided to the government prior to installation for final approval.
- n. Cables shall be installed per ANSI/EIA/TIA standards. Cables shall be monitored during the installation operation to ensure that cables do not kink, chafe, exceed 25 pounds tension weight, or otherwise become damaged. The contractor shall not exceed the manufacturer's installation tension. Special attention shall be taken to ensure that

Category 6 cable-bending radius shall be no less than four times the diameter of the cable. Negligent damage shall be the responsibility of the contractor.

- o. Horizontal cabling must be installed in a point-to-point home run (star topology) fashion from the TCs to the WAOs.
- p. The contractor is responsible for sealing firewall penetrations used for this cabling installation in accordance with National Fire Protection Agency standards. Inspection of firewall will be conducted by the government site representative.
- q. The cable plant installation shall be accomplished in accordance with the design stated herein.
- r. During the installation, the contractor shall modify (red-line) the cable plant documentation to reflect any changes resulting from the installation and provide a copy of this final documentation to the government as a deliverable.
- s. The contractor shall be responsible for repairs of areas disturbed during the installation. The contractor shall coordinate with the appropriate trades for restoration. The government must approve restoration during the final walkthrough inspection.
- t. The contractor shall ensure that all installation techniques employed in this project conform to industry standards and/or manufacturer recommended installation procedures.
- u. The contractor shall supply all miscellaneous installation materials including but not limited to Velcro, support structure, tape, cleaning materials, spiral wrap, jet line, lubricant for cable pulling, etc. that shall be required by the installation team for the duration of project.
- v. Where available, the contractor may use existing or new under-floor duct systems. Where possible, BLS will provide the contractor with floor plans.
- w. The contractor shall be responsible for providing sleeves and/or slots as means of access into and out of the Intermediate Distribution Frames (IDFs) or other wall/riser openings required for the installation of cables if none are available.
- x. The contractor shall place patch cables in outlets when requested by the government to prepare for systems furniture placement.
- y. The contractor shall provide straight-through patch cables in multiple lengths so that any cable can connect any two eight-position modular jacks within the wiring center. These cables must also reach LAN concentrators or other equipment as required. The

quantities and categories of these patch cords will be identified by the government or during the site survey.

- z. Telecommunications cable is to be secured with approved Category 6 hardware per ANSI/TIA/EIA 569-A Commercial Building Standard for Telecommunications Pathways and Spaces.
- aa. All cables must be labeled at both ends to conform to the ANSI/TIA/EIA-606 guidelines. All adhesive labels must conform to the specifications and requirements of UL 969 (REF D-16). All labels must be typed or computer generated. Hand written labels will not be accepted.
- bb. Work shall not displace current cabling in TCs. If moving cabling is required, then approval from the government is necessary to proceed.

3.2.3 Cable Routes

- d. The contractor shall route cables away from high voltage sources, i.e. A/C voltage, fluorescent lighting, electric motors, etc. The cable plant must be protected from accidental damage caused by maintenance activities, vibrations, chaffing, or other causes of damage. Cables shall be protected from chaffing or damage due to placement techniques.
- e. Under no circumstances shall cable be allowed to lie on or be supported by a suspended ceiling or its hanging wires.
- f. The horizontal pathway and related space requirements specified in ANSI/TIA/EIA 569-B, Commercial Building Standard for Telecommunications Pathways and Spaces guidelines will apply.

3.2.4 Cable Drop Locations

- a. All cable runs shall be terminated where the final design dictates. In advance of performing a change, BLS must approve deviation from the published design. Minor changes are those that may require a cable routing change and may be handled immediately by the contractor Project Manager (PM). Minor changes are defined as having no scope or design modifications and do not incur any additional costs.
- b. Wireless Access Point (WAP) drops shall consist of two cables. The cables will run from the designated location in the ceiling to the closest TC. All WAP cabling shall be terminated to a new patch panel in each TC.
- c. The contractor is responsible for verifying drop counts shown on each set of plans. All cabling shall be run in the walls, below the raised floor, or above the ceilings unless prior approval by the government is given allowing otherwise. If able, the contractor may use existing pathways below the raised access floor or above the drop ceiling for

outlets, but if the existing pathways are overloaded, the contractor will be responsible for providing new ones.

- d. All WAOs shall be installed at locations designated on drawings supplied by the government. The government will provide the contractor with an editable CAD drawing for each floor. The contractor must update the drawing with the labeled cabling and cable pathways.
- e. Each horizontal Category 6 cable drop shall be tested to meet or exceed TIA Transmission Performance Specification for Category 6, Draft 9A (568-B.2-1)

3.5 ACCEPTABLE PRODUCTS

- c. Acceptable manufacturer's components include those made by Siemens, Amp, Leviton, Ortronics, and CommScope or equivalent.
- d. Acceptable manufacturers of copper cable are Siemens, Belden, Berk-Tek, Leviton, or equivalent.
- e. Once components from a particular manufacturer are used to start an installation, the entire project must be completed using materials supplied by that manufacturer to ensure system compatibility.
- f. All work and materials shall conform in every detail to the rules and requirements of ANSI/TIA/EIA and present manufacturing standards.

3.6 GROUNDING AND BONDING

- f. All TCs on this project must be grounded according to required ANSI/EIA/TIA standards. The grounding system must be tied together using as a minimum a #6 AWG (green) cable extending from the computer room and TC equipment racks to the telecommunications grounding bus (TGB). The main TGB will be provided by BLS. All grounding connections must be labeled in accordance with ANSI/TIA/EIA 606-A.
- g. All preinstalled pathways shall be inspected to verify and ensure that proper bonding and grounding requirements have been met.
- h. Horizontal pathways must be grounded and bonded in compliance with the requirements and ANSI/EIA/TIA standards except where other codes or authorities impose more stringent requirements.
- i. The installation conforms to applicable practices and codes (in the United States, ANSI J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications, the NEC, and local building codes.

- j. An approved ground is available in the TC for cross-connect frames and patch panel racks. For further details, see Chapter 8 of the BICSI TDMM.

3.5 TERMINATIONS

To maintain standards, all terminations shall be in accordance with this document and the ANSI/EIA/TIA standards. At patch panels the cables shall be terminated in sequence with no drop spaces left for cables that do not exist (e.g. 001, 002, 003, etc.)

- a. Connector Blocks must be Category 6 and be Type 110 insulation displacement connectors.
- b. Jacks must be non-keyed RJ-45, suitable for and complying with the same standard as the cable to be terminated.
- c. Termination labels must comply with the provided guidelines.
- d. Horizontal cable is to be terminated in the designated TC on contractor supplied Category 6 high density patch panels.
- e. Two Category 6 UTP plenum rated cable shall be terminated at each WAO per American National Standards Institute/Telecommunications Industry Association/Electronic Industries Alliance ANSI/TIA/EIA 568-B Commercial Building Telecommunications Cabling Standard.
- f. Jacks and patch panels shall be terminated using the T568-B standard.

3.6 ACCEPTANCE AND TESTING CRITERIA

The contractor shall provide the Federal POC with final layout drawings, drop lists, and test results. The contractor shall ensure that all horizontal cables pass testing with clear pass results for Category 6 specifications. Marginal pass results will not be accepted.

- a. All twisted-pair copper cable links shall be tested for continuity, length, pair reversals, shorts, opens, and performance. Horizontal balanced twisted pair cabling shall be tested using a level IV test unit for Category 6 performance compliance.
- b. Continuity Testing: each pair of installed cable shall be tested using a test unit that shows opens, shorts, polarity and pair-reversals, and crossed pairs and split pairs. The test shall be recorded as pass/fail as indicated by the test unit and shall reference the appropriate cable identification number and circuit or pair number. Any faults in the wiring shall be corrected and the cable re-tested prior to final acceptance.
- c. Length: each installed cable link shall be tested for installed length using a TDR type device. The cables shall be tested from patch panel to patch panel, block to block, patch panel to outlet, or block to outlet as appropriate. The cable length shall conform to the maximum distances set forth in the ANSI/TIA-568-C.2 Standard. Cable lengths shall be recorded and labeled with cable identification number and circuit or pair number. For multi-pair cables, the shortest pair length shall be recorded as the length for the cable.

3.8 WARRANTY

- e. All workmanship furnished by the contractor, whether design, data, or information, shall be reviewed and approved by the government to ensure the best quality of their respective kinds, and to be free from faulty design and workmanship.
- f. The contractor shall guarantee that all work will comply with all warranties, guarantees, and building requirements, which are imposed by the government or by municipal, state, federal, or other statutes, rules, regulations, or codes. The base warranty period begins upon the government's written acceptance at the site.
- g. All materials must be new and supported by the manufacturer's warranty. In addition, all Category 6 cabling shall meet permanent link testing requirements and carry a minimum of a 25-year manufacturer warranty.
- h. The manufacturer's written warranty shall be provided upon completion of the installation for all applicable equipment and materials.

15. GOVERNMENT FURNISHED INFORMATION, PROPERTY, EQUIPMENT, AND SERVICES

The Government will be responsible for providing information and building access to the contractor. The Government will also provide a dedicated technical PM and a technical point of contact (POC) who will act as liaisons between the contractor and DTNM management.

The government PM and POC will be available during the installation to provide guidance and approve design alterations. Any cost or scope changes will be directed to the Contracting Officer and the COR at GSA. All other day to day issues will be answered by site POCs who will be named at a later date.

16. CONTRACTOR KEY PERSONNEL AND QUALIFICATIONS AND ITEMS AND RESPONSIBILITIES

The contractor shall provide a management plan with defined definitions of roles and responsibilities for each dedicated team member including past performance experience and a defined escalation path.

The contractor shall name the dedicated key personnel in their proposal, one of whom shall be deemed the technical POC for the project. The technical POC shall possess at least three years of experience in data network communication and management protocol, cable management, hardware and information systems operation support, and Microsoft Visio and Project software.

At the start date, the contractor must provide a technical assessment with detailed engineering specifications and "to be" drawings for all required components and cable plant installation within TCs, data center racks, and MDF.

17. PLACE OF PERFORMANCE

The work will be performed on-site in the BLS national office located in the Postal Square Building in Washington, DC.

Bureau of Labor Statistics
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212

18. HOURS OF OPERATION

Work must be conducted outside of normal working hours (between 7:00 p.m. and 6:00 a.m.), weekends or as permitted and agreed upon by DTNM. BLS workspaces shall be returned to full operation at the end of each day.

19. DEFINITIONS AND ACRONYMS

•	ANSI/TIA/EIA	•	American National Standards Institute/Telecommunications Industry Association/Electronic Industries Alliance
•	AWG	•	American Wire Gauge
•	BICSI	•	Building Industry Consulting Service International
•	BLS	•	Bureau of Labor Statistics
•	CLIN	•	Contract Line Item Number
•	CMP	•	Communications Plenum Cable
•	DTNM	•	Division of Technology and Network Management
•	FSM	•	Floor Service Module
•	IDC	•	International Data Corporation
•	IDF	•	Intermediate Distribution Frame
•	MDF	•	Main Distribution Frame
•	MUTOA	•	Multi User Telecommunication Outlet Assembly
•	POC	•	Point of Contact
•	PSB	•	Postal Square Building
•	PM	•	Project Manager
•	SOW	•	Statement of Work
•	TC	•	Telecommunications Closet
•	TCIM	•	Telecommunications Cabling Installation Manual
•	TDR	•	Time Domain Reflectometer
•	TGB	•	Telecommunications Grounding Bus
•	UDT	•	Unreliable Data Transfer
•	UTP	•	Unshielded Twisted Pair
•	WAO	•	Work Area Outlet
•	WAP	•	Wireless Access Point

20. DELIVERY SCHEDULE

Base

The contractor shall propose a tentative work schedule for the total project within five (5) days of award.

CLIN 1: Firm fixed price for site survey to determine the quantity and location of Wireless Access Points that will be necessary to provide wireless coverage to all office spaces on the ground through fifth floors. The completed survey will be completed and delivered within 30 days of the agreed-upon start date.

CLIN 2: Firm fixed price to furnish ceiling mounted Wireless Access Points. The WAPs will be furnished by August 31, 2017.

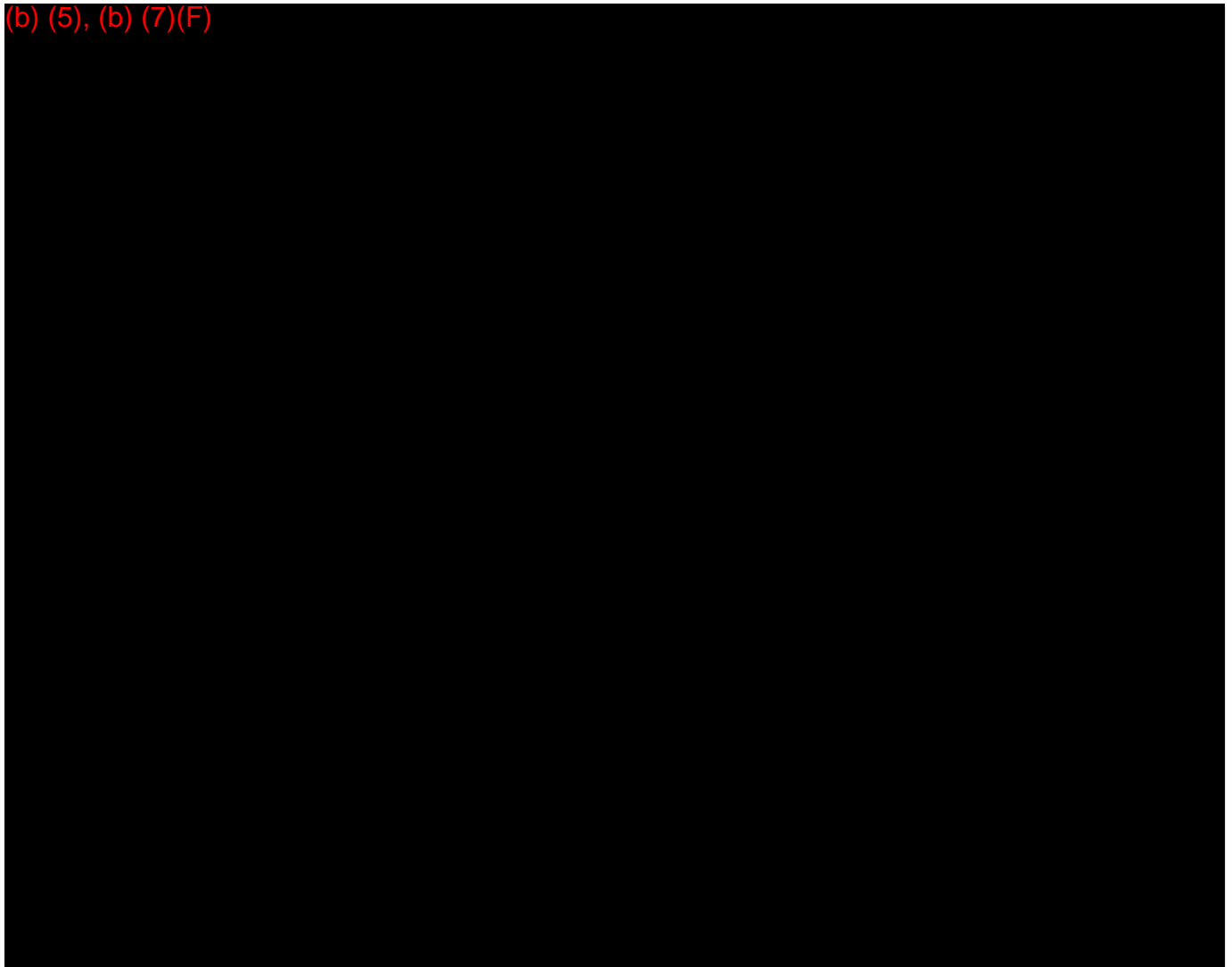
CLIN 3: Firm fixed price for installation of ceiling mounted WAPs. Labor and testing will be completed by August 31, 2017.

The total project inclusive of base plus options must be completed by August 31st, 2017.

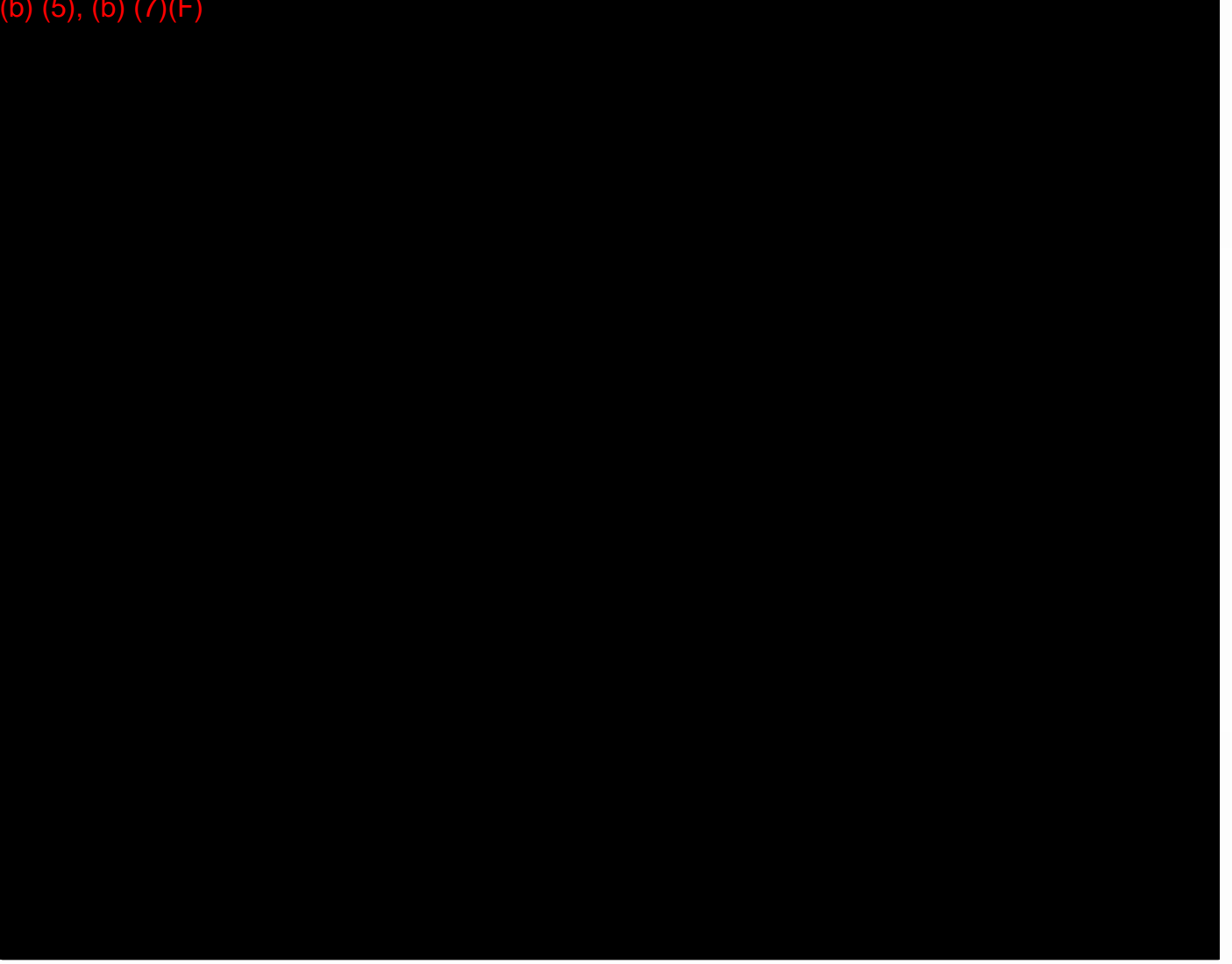
21. FLOOR PLANS

The floor plans on the following pages highlight the TCs on each floor as well as the suite locations that are scheduled to be upgraded during phase 1 of the building refurbishment project.

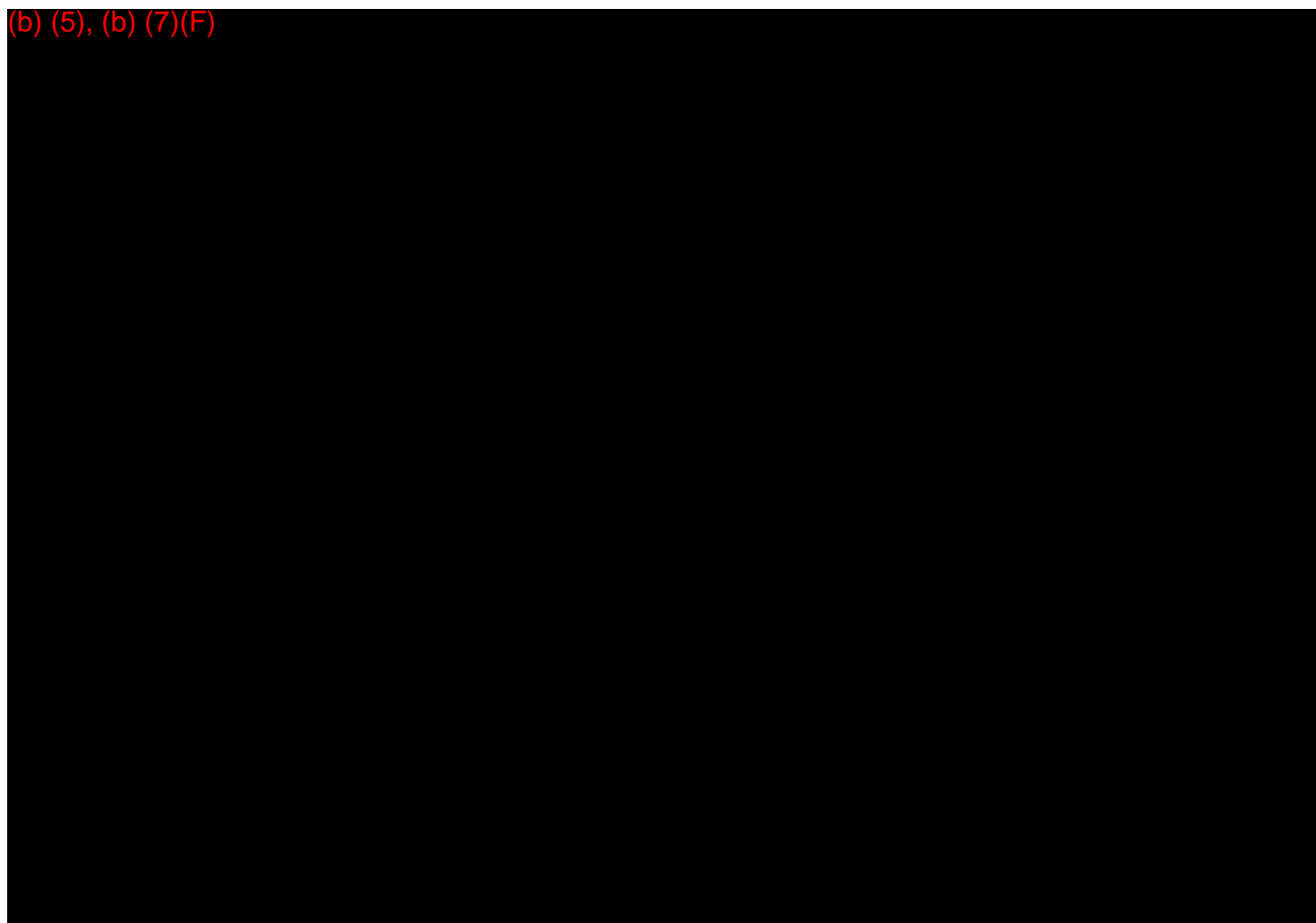
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(b) (5), (b) (7)(F)



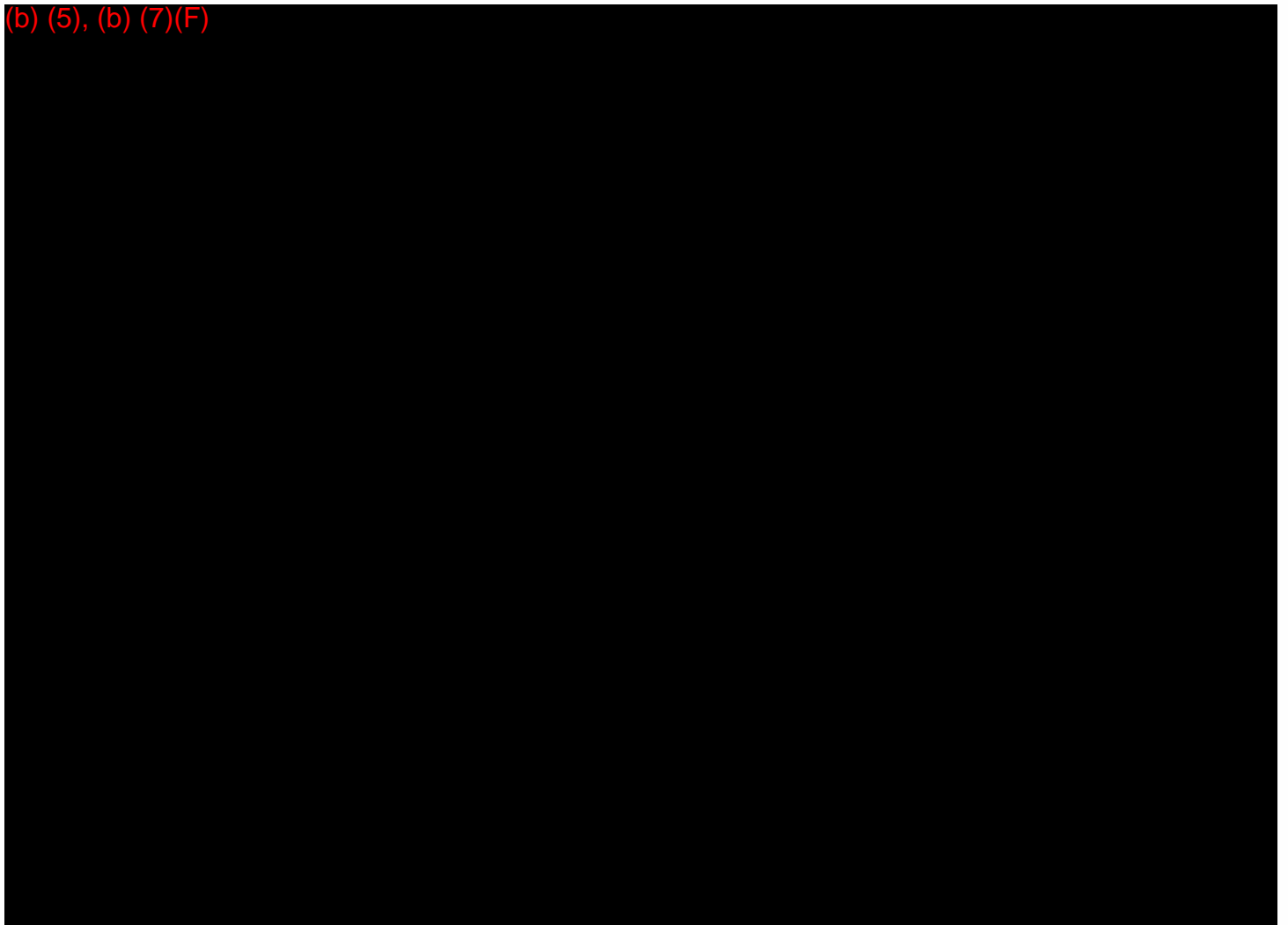
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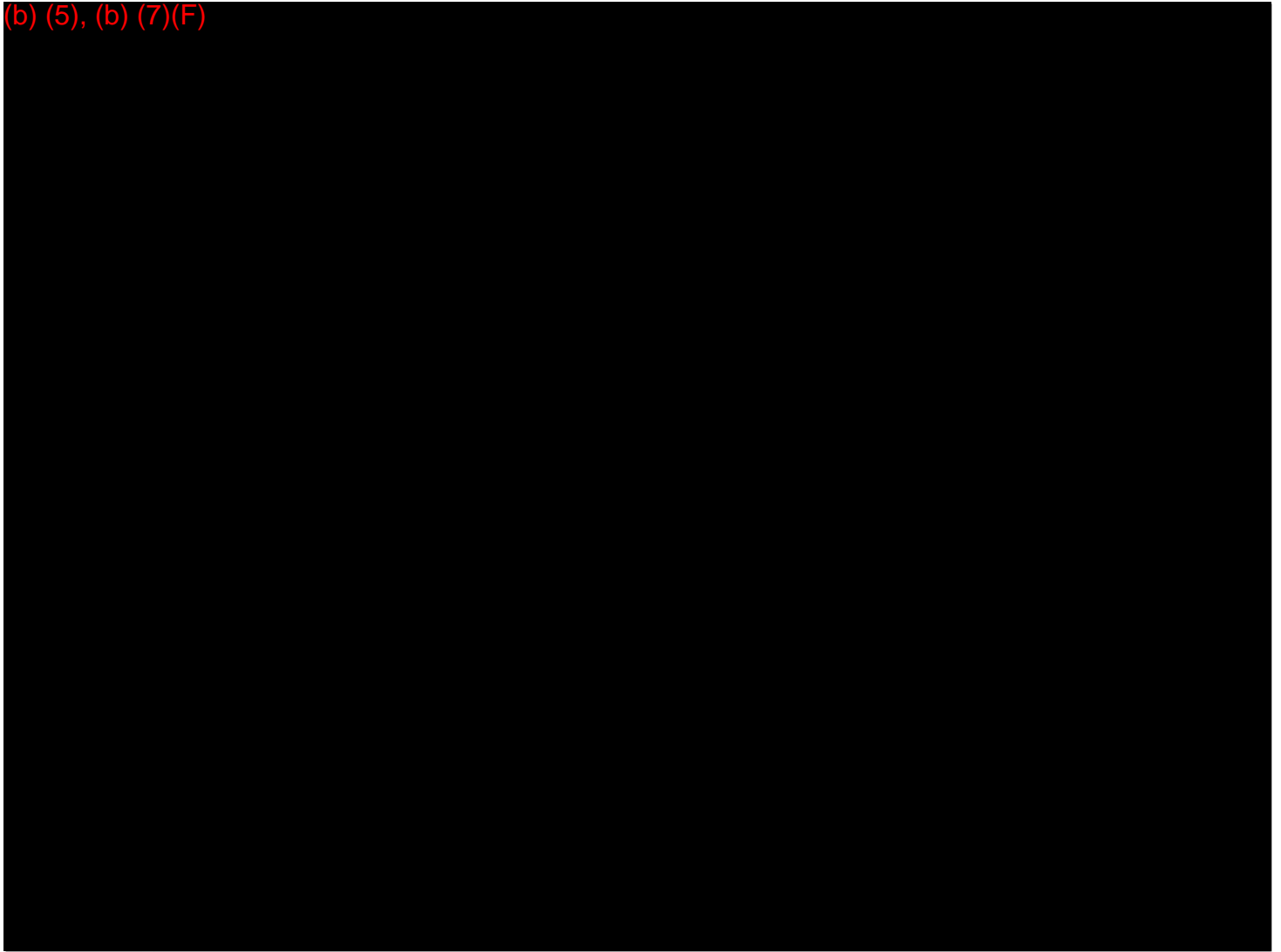
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BLS IT Infrastructure

Scope of Work Overview

April 26, 2017

I. Project Identification

- A.** Project Title: BLS IT Infrastructure
- B.** Building: Bureau of Labor Statistics, Post Square {DC0011ZZ}
- C.** Location: 2 Massachusetts Avenue, North East, Washington DC

II. Scope of Work

On behalf of the Bureau of Labor Statistics (BLS), the General Services Administration (GSA) requires services to survey, furnish, and install wireless access points with associated equipment and cabling to respective telecommunications closets. So that BLS offices spaces on the ground, first, second, third, fourth, and fifth floors have modern and reliable wireless access. (2) Furnish and install new, independent fiber optic cable backbone with appropriate terminations from our main distribution frame (MDF), located on the ground floor, to each of our 27 telecommunication closets (TCs) on the ground to fifth floor. In addition, BLS is seeking the creation of as-built drawings that depict the existing vertical and horizontal conduits on the ground through fifth floors.

III. Period of Performance

The project be by completed by August 31, 2017.

All work shall meet current codes, regulations, industry standards, and GSA's P100 Facilities Standards for the Public Building Service.

Contractor shall perform all work after normal business hours. Normal business hours are Monday-Friday, 7:00 AM to 5:00 PM, except for Federal Holidays. Contractor shall work nights, weekends, and federal holidays. Contractor may perform noisy work from 6:00 PM to 7:00 AM, and through weekends and holidays.

A. Definitions and Standards:

Provide: Furnish and install, complete and ready for intended use.

Install: Operations at project site, including unloading, unpacking, assembly, erecting, placing, anchoring, applying, and working to dimension, finishing, curing, protection, cleaning and similar requirements.

Furnish: Supply and deliver to project site, ready for unloading unpacking installation, assembly and similar subsequent requirements.

Remove: Remove from site and dispose of properly

A. Requirements

The following includes, but is not limited to, the work required to fulfill the objectives of this project as necessary for each technical discipline.

1. Contractor is advised to visit the project site before submitting bid proposal to determine the extent of the work.
2. In general, the Scope shall follow the attached “BLS Structure Cable System Improvement Project” and “Wireless Install Tasks” documents.
3. **Project Coordination:** Contractor shall coordinate all work activities with BLS/GSA Project Manager.
4. **HSPD-12:** Contractor shall submit a Contractor Information Worksheet (CIW) to the GSA Project Manager. For this project, BLS will issue HSPD-12 badges to cleared workers. Workers shall adhere to BLS security regulations. Workers, equipment, tools, and materials shall go through BLS Security screening upon entry into the building.
5. **Project Schedule:** Contractor shall submit a Project Schedule for GSA approval no later than 30-days after Notice to proceed.
6. **Cutting & Patching:** Contractor shall cut and patch existing finishes according to GSA’s Specification Section 017310 – Cutting and Patching.
7. **Submittals:** Contractor shall submit product data sheets, color samples, and MSDS sheets for alt materials to be used in this project for GSA/BLS approval, according to GSA's Specification section 013300 - Submittal Procedures.
8. **Clean-Up:** Contractor shall submit product data sheets, color samples, and MSDS sheets for alt materials to be used in this project for GSA/BLS approval, according to GSA's Specification section 013300 - Submittal Procedures.
9. **Hazmat:** It is not anticipated that Asbestos-Containing Materials (ACM) or Lead-Based Paint (LBP) will be encountered during work activities. However, work area should be inspected prior to starting work and if material suspect to be ACMs or LBPs are present, bulk asbestos and/or lead paint chip sampling shall be collected and tested. If workers encounter suspect materials during work, all work activities in that area shall cease immediately and bulk asbestos and/or lead paint chip sampling shall be conducted. If the materials sampled are determined necessary for removal, under Section 3.02 of Specifications Section 01546, then the contractor shall adhere to the specification and the requirements of specification Section 02085 for asbestos removal and 02090 for removal and disposal of lead based paint.

10. **Environmental:** Whenever possible the contractor will utilize low-VOC materials on project within Federal buildings.
11. **Waste & Disposal:** All waste generated as a result of contractor including but not limited to excavation and construction and/or installation of contractor supplied materials or equipment is the property of the contractor except items defined as "salvage" by the Government. The contractor is responsible for the removal and proper disposal of their waste and shall not use government owned or controlled Equipment to contain, store, or otherwise handle their trash waste materials or debris. The contractor shall provide sufficient containers to properly store and remove all waste created by their operations and remove same from the job site as soon as practicable. The contractor is responsible for assuring that all waste generated in competing this work from Government work is managed and disposed in a manner compliant with local, State and Federal law and regulations. The contractor is responsible for ensuring facility that is receiving the waste has been certified by the appropriate State or local agency for that type of waste management, or by the Environmental Protection Agency.
12. **Green Purchasing:** Products and materials play a significant role in making building construction and operations more sustainable - on a par with energy use and waste management in impact. In addition, the product and material choices GSA makes affects the health of our customers directly. Numerous statutes, regulations, and executive orders require Federal agencies and their contractors to purchase products with various environmental attributes. As part of an effort to improve GSA's performance in this area, the Offices of Acquisition Management, Design and Construction, Facilities Management and Services Programs, and Leasing have identified the products that GSA uses most frequently and developed clear environmental standards for them. These products have been called "Key Sustainable Products" or "KSPs." The list of KSP products and standards can be found at <https://www.gsa.gov/portal/directive/d0/content/664134>

The standards will be updated periodically to reflect changes in the market. Products meeting all of the KSP standards are widely available at prices comparable to or lower than their non-sustainable counterparts. Contractor shall purchase Key Sustainable Products for this project.

13. All work shall be installed according to manufacturer's instructions, standard construction practices, and in a workmanlike manner.
14. Contractors shall contract the GSA Building Manager's Office (Contact: Mr. Jim Trainor 202-438-8733) for all Access Permits. Bum Permits and Utility Outage Permits.
15. Contractor shall clean the worksite on a daily basis. Contractor shall coordinate dumpster location with the GSA Building Manager's Office.

16. Contractor shall request a final Inspection from the GSA project manager within 72-hours of work completion.
17. Contractor shall perform the work according to GSA's Specification Section 01546- Safety and Health.

IV. **Special Considerations**

A. Submittals

1. Before any work is commenced, the Contracting Officer must approve all submittals. Manufacturer's data shall be provided and annotated to show the specific model, type and size of each item.

B. Revisions

1. Prior approval by GSA of the documents listed, the Contractor shall correct or revise any drawings and documents, without additional cost to comply with the provisions of this document.
2. The normal required review time by GSA is 5 work days.
3. All formal submissions are subject to update and editing to reflect feedback from GSA. Describing the changes in the review documents as a written response without making changes in the contract documents is considered non-responsive.
4. The government shall not be liable for any additional contractor costs due to changes or revisions in the requirements of this document, which would increase the scope of services as originally negotiated and agreed to, unless such changes or revisions are authorized and approved by the Contracting Officer in writing. All requests for changes or revisions received by the contractor shall, therefore, be referred to the Contracting Officer for his or her approval.

C. Closeout

1. Prior to final payment under this work order, the Contractor shall furnish the Government with A *Release of Claims* (GSA Form 1142) to the Government under the applicable portions of this contract, other than such claims as the Contractor may except by description and stated amount of each claim.
2. Any security IDs issued by GSA or the Tenant Agency for the purposes of this task shall be returned to GSA prior to the Final Payment.

V. Attachments

- A. Structured Cable System Improvement Project
- B. Wireless Installation Task
- C. Specification Section 001546 – Safety and Health
- D. Specification Section 013300 – Submittal Procedures
- E. Specification Section 017310 – Cutting and Patching

End of Scope of Work

**Bureau of Labor Statistics
Structured Cable System Improvement Project
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212**

1. BACKGROUND

The U.S. Bureau of Labor Statistics (BLS) is the principal fact-finding agency for the Federal Government in the broad field of labor economics and statistics. BLS collects, processes, analyzes, and disseminates essential statistical data to the American public, the U.S. Congress, other Federal agencies, State and local governments, businesses, labor organizations, and international statistical organizations.

BLS is located in the Postal Square Building (PSB) at 2 Massachusetts Avenue, NE, Washington, DC 20212.

The current Local Area Network (LAN) backbone is managed by the Division of Technology and Network Management (DTNM) and comprises of horizontal fiber and copper cable between Telecommunication Closets (TCs), the Data Center, and the Embargoed Server Room, as well as vertical fiber between the ground through fifth floors.

BLS is seeking services to install new, independent fiber with appropriate terminations from our main distribution frame (MDF) to each of our 27 telecommunication closets (TCs) on the ground, first, second, third, fourth, and fifth floors. In addition, BLS is seeking the creation of a new document with drawings that depicts the existing vertical and horizontal conduit on the ground through fifth floors.

2. EXISTING INFRASTRUCTURE

The core of the BLS infrastructure is a main network plus four production sub-networks and a research and development sub-network. There are approximately 250 LAN switches currently installed in 27 TCs located on six floors (the ground through the fifth floor) of the PSB. The current BLS LAN cable plant uses category 5 Unshielded Twisted Pair (UTP) cables to support both voice and data applications.

2.1 WORK AREA CONNECTIVITY

Current work area connectivity is provided by UTP in 6-cable bundles that run from the TCs to the designated work areas. With a few exceptions throughout the building, the 6-cable bundles are run through the ceiling, down through wall-mounted access panels, and into the raised access flooring in the work areas. The cables terminate onto Multi User Telecommunication Outlet Assemblies (MUTOAs), each of which service a total of six end station jacks. At each workstation, two jacks are terminated inside a flush-mounted Floor Service Module (FSM); one jack is for data and the other is for voice. There are two FSMs per workstation.

2.2 TELECOMMUNICATION CLOSETS

There are 27 TCs in the BLS occupied areas of the PSB, and they are located on the ground floor through the fifth floor. Floors 2 through 5 are serviced by six TCs each (labeled A-F), the first floor is serviced by two TCs (A and E), and the ground floor is serviced by a single TC (MDF). In each closet, UTP cables from the Work Area Outlets (WAO) are terminated onto two sets of patch panels, one of which is designated for data and the other for voice. The patch panels feature IDC-style punch down terminals, and they are installed onto 19-inch wide Ortronics racks.

3. SCOPE

3.1 OVERVIEW

The contractor shall provide and install the required material to complete this project. The work shall include but not be limited to the following:

- a. Furnish and install new vertical cabling system using fiber cabling specifications shown in Section 10. Each vertical cable will consist of 12-strands of vertical fiber runs from the MDF room on the ground floor to each of the 27 closets on floors 1 through 5 as depicted in Figure-1/page-2.
- b. Survey and provide comprehensive drawings of existing conduit. The drawings should show dimensions, geometry, and location of all existing conduit on the ground through 5th floors of PSB.
- c. Contractor shall use Panduit Pan Net – Model: WMPV45E or like item for vertical cable management.
- d. Contractor must ensure the locations with an IDF must be connected to the MDF with point-to-point wiring.
- e. The Government requires fiber cabling specifications and hardware shown in Section 10. Furnish, install, and label all faceplates, jacks, and high density patch panels according to provided guidelines.
- f. Furnish, install, and label all TC racks according to provided guidelines.
- g. Test all cabling and provide test results in soft copy, organized by closet and work area ID.
- h. Ensure all installation efforts adhere and comply with national, state, and/or local building codes applicable to the specific location.
- i. Ensure all installation efforts adhere and comply with requirements of the manufacturer's warranty program, and provide all warranty documentation.

3.2 CABLING AND RELATED EQUIPMENT

3.2.1 Cable and Related Equipment Specifications

The following cable specifications and testing requirements shall be adhered to for all installed fiber cable:

- a. The fiber cable must be in accordance with specifications shown in Section 10 and shall meet or exceed these specifications.
- b. Equipment racks shall be ANSI/EIA/TIA standard 19 inch wide.

3.2.2 Cable and Related Equipment Installation

- a. The contractor shall supply all cable and termination hardware. Documentation from the manufacturer shall be required to validate the installation. All intended material to be used shall have a manufacturer's cut sheet and be provided to the Government prior to installation for final approval.
- b. Cables shall be installed per ANSI/EIA/TIA standards. Cables shall be monitored during the installation operation to ensure that cables do not kink, chafe, exceed 25 pounds tension weight, or otherwise become damaged. The contractor shall not exceed the manufacturer's installation tension. Special attention shall be taken to ensure that fiber cabling must meet bending radius specifications. Negligent damage shall be the responsibility of the contractor.
- c. The contractor is responsible for sealing firewall stops used for this cabling installation in accordance with National Fire Protection Agency standards. Inspection of firewall will be conducted by the Government site representative.
- d. The cable plant installation shall be accomplished in accordance with the design stated herein.
- e. During the installation, the contractor shall modify (red-line) the cable plant documentation to reflect any changes resulting from the installation and provide a copy of this final documentation to the Government as a deliverable.
- f. The contractor shall be responsible for repairs of areas disturbed during the installation. The contractor shall coordinate with the appropriate trades for restoration. The Government must approve restoration during the final walkthrough inspection.
- g. The contractor shall ensure that all installation techniques employed in this project conform to industry standards and/or manufacturer recommended installation procedures.
- h. The contractor shall supply all miscellaneous installation materials including but not limited to Velcro, support structure, tape, cleaning materials, spiral wrap, jet line,

lubricant for cable pulling, etc. that shall be required by the installation team for the duration of project.

- i. Where available, the contractor may use existing or new under-floor duct systems. Where possible, the Government will provide the contractor with floor plans.
- j. Telecommunications cable is to be secured with approved hardware per ANSI/TIA/EIA 569-A Commercial Building Standard for Telecommunications Pathways and Spaces.
- k. All cables must be labeled at both ends to conform to the ANSI/TIA/EIA-606 guidelines. All adhesive labels must conform to the specifications and requirements of UL 969 (REF D-16). All labels must be typed or computer generated. Hand written labels will not be accepted.

3.2.3 Cable Routes

- a. The contractor shall route cables away from high voltage sources, i.e. A/C voltage, fluorescent lighting, electric motors, etc. The cable plant must be protected from accidental damage caused by maintenance activities, vibrations, chaffing, etc. Cables shall be protected from chaffing or damage due to placement techniques.
- b. Under no circumstances shall cable be allowed to lie on or be supported by a suspended ceiling or its hanging wires.
- c. The vertical/horizontal pathway and related space requirements specified in ANSI/TIA/EIA 569-B, Commercial Building Standard for Telecommunications Pathways and Spaces guidelines will apply.

3.3 ACCEPTABLE PRODUCTS

- a. Once components from a particular manufacturer are used to start an installation, the entire project must be completed using materials supplied by that manufacturer to ensure system compatibility.
- b. All work and materials shall conform in every detail to the rules and requirements of ANSI/TIA/EIA and present manufacturing standards.

3.4 GROUNDING AND BONDING

- a. All TCs on this project must be grounded according to required ANSI/EIA/TIA standards. The grounding system must be tied together using as a minimum a #6 AWG (green) cable extending from the computer room and TC equipment racks to the telecommunications grounding bus (TGB). The main TGB will be provided by the Government. All grounding connections must be labeled in accordance with ANSI/TIA/EIA 606-A.
- b. All preinstalled pathways shall be inspected to verify and ensure that proper bonding and grounding requirements have been met.

- c. Horizontal pathways must be grounded and bonded in compliance with the requirements and ANSI/EIA/TIA standards except where other codes or authorities impose more stringent requirements.
- d. The installation conforms to applicable practices and codes (in the United States, ANSI J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications, the NEC, and local building codes.
- e. An approved ground is available in the TC for cross-connect frames and patch panel racks. For further details, see Chapter 8 of the BICSI TDMM.

3.5 TERMINATIONS

To maintain standards, all terminations shall be in accordance with this document and the ANSI/EIA/TIA standards.

Fiber must be terminated using fiber patch panels with LC/LC connectors at both the MDF and TC locations for each run.

3.6 ACCEPTANCE AND TESTING CRITERIA

The contractor shall provide the Federal POC with final layout drawings, drop lists, and test results. The contractor shall ensure that all horizontal cables pass testing with clear pass results for Category 6 specifications. Marginal pass results will not be accepted.

Length: each installed cable link shall be tested for installed length using a TDR type device. The cables shall be tested from patch panel to patch panel, block to block, patch panel to outlet, or block to outlet as appropriate. The cable length shall conform to the maximum distances set forth in the ANSI/TIA-568-C.2 Standard. Cable lengths shall be recorded and reference the cable identification number and circuit or pair number. For multi-pair cables, the shortest pair length shall be recorded as the length for the cable.

3.7 WARRANTY

- a. All workmanship furnished by the contractor, whether design, data, or information, shall be reviewed and approved by the Government to ensure the best quality of their respective kinds, and to be free from faulty design and workmanship.
- b. The contractor shall guarantee that all work will comply with all warranties, guarantees, and building requirements, which are imposed by the Government or by municipal, state, federal, or other statutes, rules, regulations, or codes. The base warranty period begins upon the Government written acceptance at the site.
- c. All materials must be new and supported by the manufacturer's warranty. In addition, all fiber cabling shall meet permanent link testing requirements and carry a minimum of a 25-year manufacturer warranty.

- d. The manufacturer's written warranty shall be provided upon completion of the installation for all applicable equipment and materials.

4. GOVERNMENT FURNISHED INFORMATION, PROPERTY, EQUIPMENT, AND SERVICES

The Government will be responsible for providing information and building access to the contractor. The Government will also provide a dedicated technical PM and a technical point of contact (POC) who will act as liaisons between the contractor and DTNM management.

The Government PM and POC should be contacted to provide guidance and approve design alterations. Any cost or scope changes will be directed to the Contracting Officer and the COR at GSA. All other day to day issues will be answered by site POCs who will be named at a later date.

5. CONTRACTOR KEY PERSONNEL AND QUALIFICATIONS AND ITEMS AND RESPONSIBILITIES

The contractor shall provide a management plan with defined definitions of roles and responsibilities for each dedicated team member including past performance experience and a defined escalation path.

At the start date, the contractor must provide a technical assessment with detailed engineering specifications and "to be" drawings for all required components and cable plant installation within TCs and MDF.

6. PLACE OF PERFORMANCE

The work will be performed on-site in the BLS national office located in the Postal Square Building in Washington, DC.

Bureau of Labor Statistics
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212

7. HOURS OF OPERATION

Work may be conducted during normal working hours (between 7:00 p.m. and 6:00 a.m.), during non-work days, or as permitted and agreed upon by DTNM.

8. DEFINITIONS AND ACRONYMS

ANSI/TIA/EIA	American National Standards Institute/Telecommunications Industry Association/Electronic Industries Alliance
AWG	American Wire Gauge
BICSI	Building Industry Consulting Service International
BLS	Bureau of Labor Statistics
CMP	Communications Plenum Cable
DTNM	Division of Technology and Network Management
FSM	Floor Service Module
IDC	International Data Corporation
IDF	Intermediate Distribution Frame
LAN	Local Area Network
MDF	Main Distribution Frame
MUTOA	Multi User Telecommunication Outlet Assembly
POC	Point of Contact
PSB	Postal Square Building
TCIM	Telecommunications Cabling Installation Manual
TC	Telecommunications Closet
TDR	Time Domain Reflectometer
TGB	Telecommunication Grounding Bus
UDT	Unreliable Data Transfer
UTP	Unshielded Twisted Pair

9. DELIVERY SCHEDULE

The contractor shall propose a tentative work schedule for the total project within five (5) days of award. The project must be completed by August 31st, 2017.


10. FIBER CABLING SPECIFICATIONS

• OM3 Multimode	• Fiber Type
• Aqua	• Color
• 50um	• Core Size
• 10Gb at 850nm	• Data Rate
• Up to 300 Meters. Able to run 40GB or 100GB up to 100 meters utilizing a MPO connector	• Distance
• Larger Private Networks	• Applications
• LC/LC	• Patch Panel Termination
• 12 strands	• Fiber Strand needed per Closet
• 1U - 24 port fiber	• Patch panel dimensions and capacity

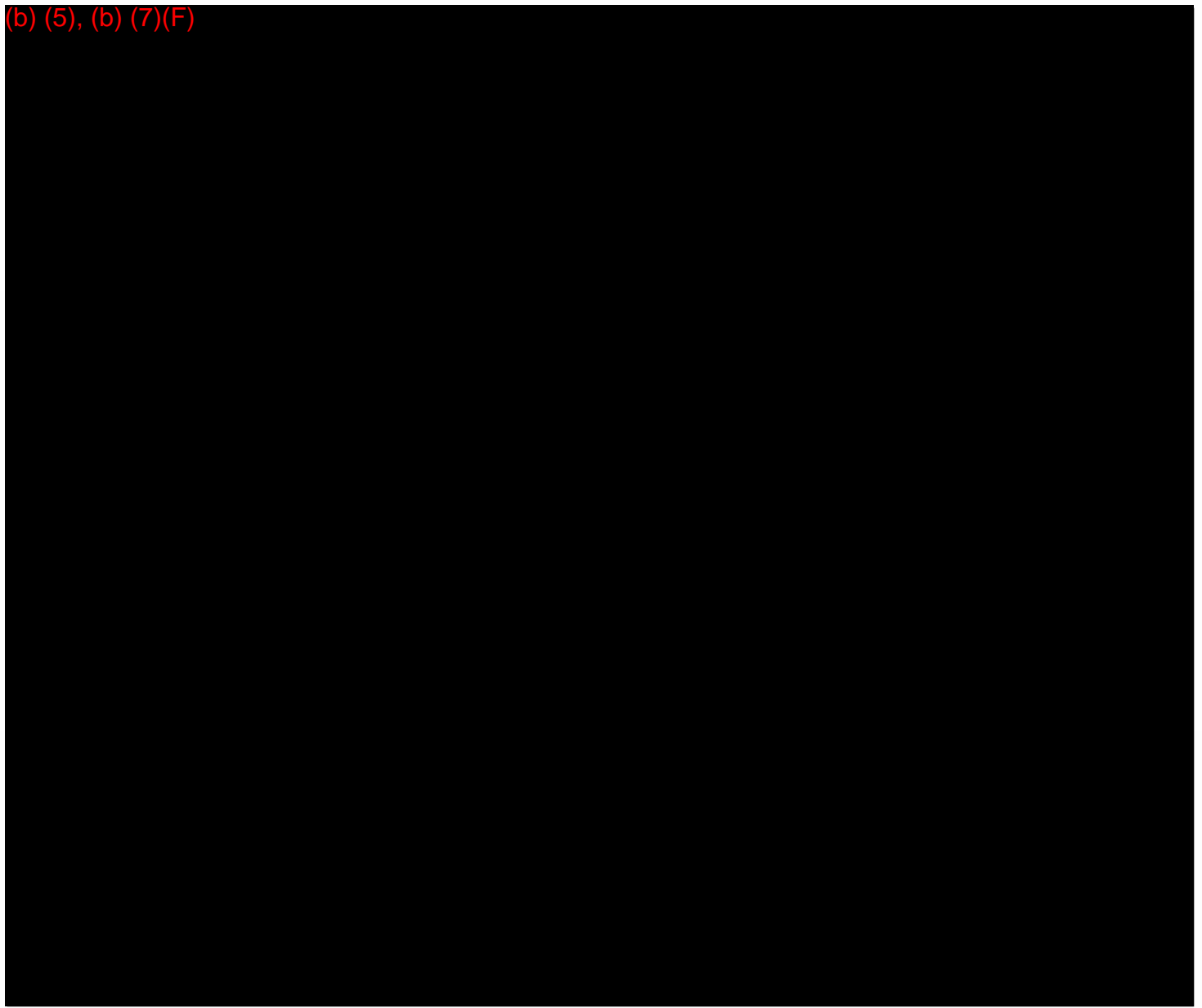
11. FLOOR PLANS

The floor plans on the following pages highlight the TCs on each floor.


(b) (5), (b) (7)(F)



(b) (5), (b) (7)(F)




(b) (5), (b) (7)(F)



Estimated distances between MDF and 2nd floor closets:

2830 (A Closet) – 75 FT
2175 (B Closet) – 100 FT
2205 (C Closet) – 410 FT
2225 (D Closet) – 475 FT
2545 (E Closet) – 415 FT
2710 (F Closet) – 205 FT

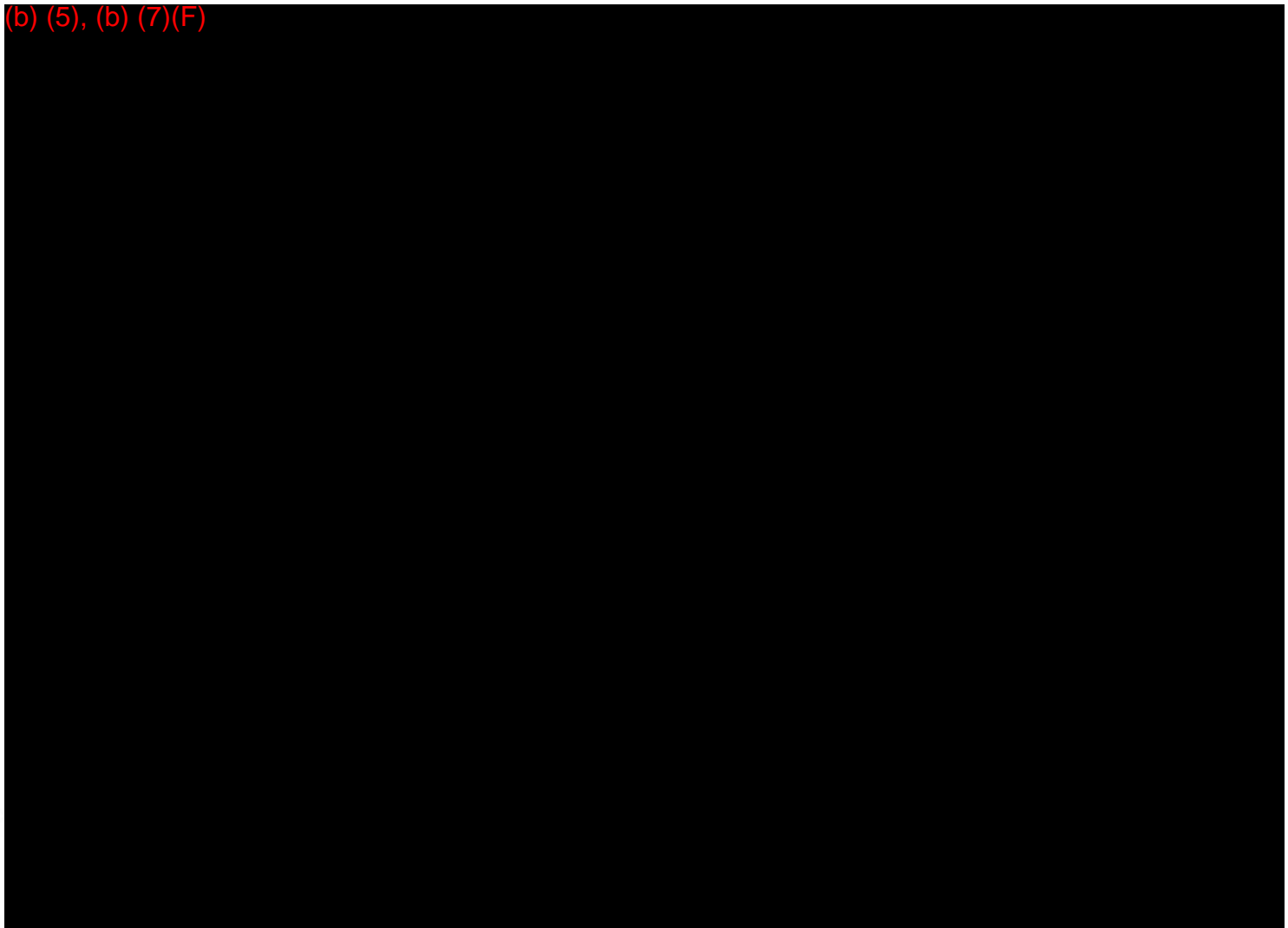
(b) (5), (b) (7)(F)



Estimated distances between MDF and 3rd floor closets:

3335 (A Closet) – 90 FT
3169 (B Closet) – 121 FT
3205 (C Closet) – 440 FT
3245 (D Closet) – 510 FT
3380 (E Closet) – 460 FT
3710 (F Closet) – 245 FT

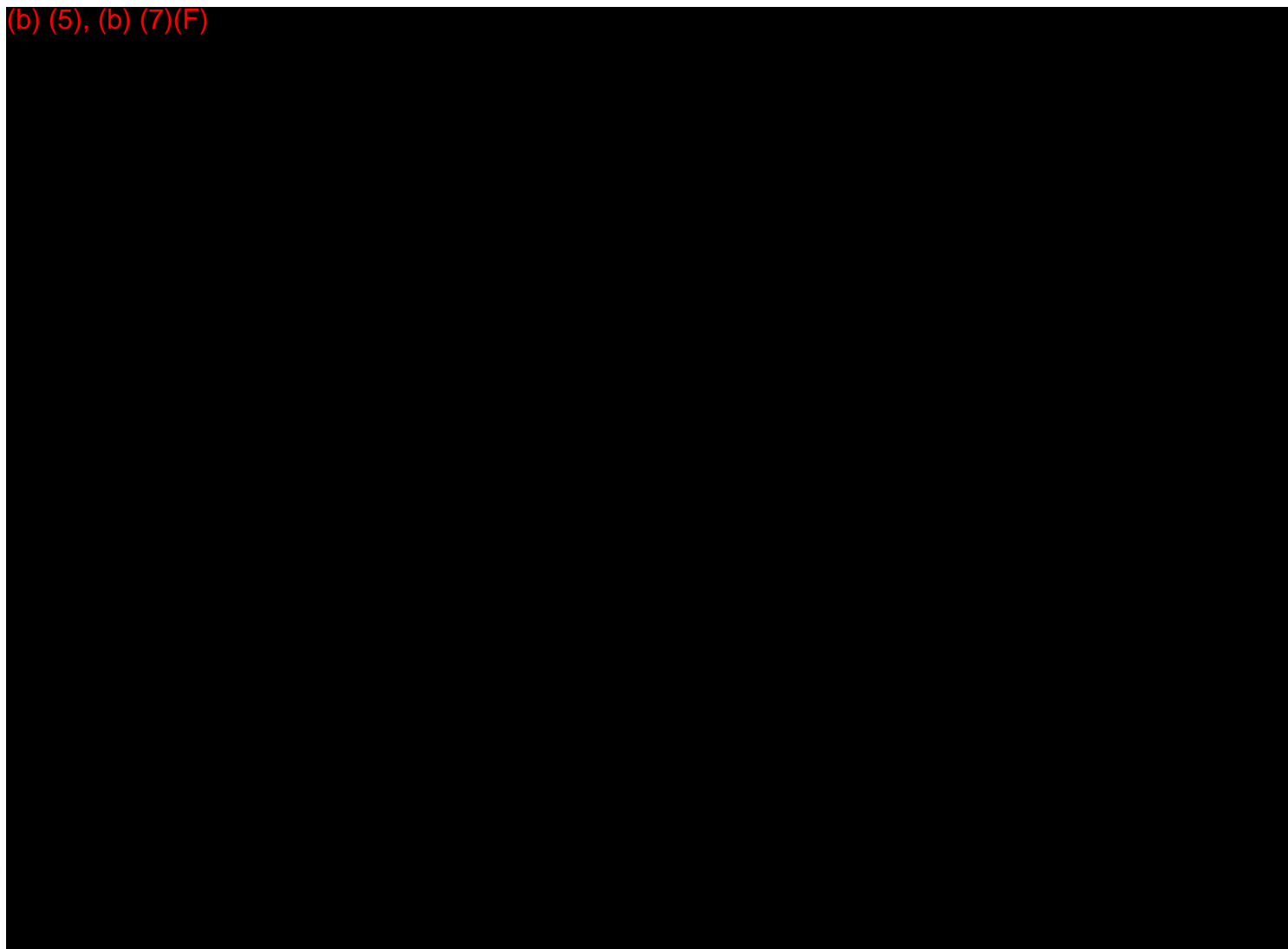
(b) (5), (b) (7)(F)



Estimated distances between MDF and 4th floor closets:

4827 (A Closet) – 115 FT
4165 (B Closet) – 162 FT
4205 (C Closet) – 460 FT
4235 (D Closet) – 545 FT
4345 (E Closet) – 455 FT
4586 (F Closet) – 275 FT

(b) (5), (b) (7)(F)



Estimated distances between MDF and 5th floor closets:

5835 (A Closet) – 137 FT
5171 (B Closet) – 198 FT
5205 (C Closet) – 498 FT
5235 (D Closet) – 563 FT
5525 (E Closet) – 505 FT
5710 (F Closet) – 302 FT

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	GS-11-P-17-DC-C-0014	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5/8/2017	1 3

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NUMBER GS-11-P-17-DC-C-0035	5. REQUISITION/PURCHASE REQUEST NUMBER EQWPMA-17-0069	6. PROJECT NUMBER
7. ISSUED BY R&A Center 3 301 7th Street Room 6049 Washington, DC, DC 20407 United States	CODE WPH1AC	8. ADDRESS OFFER TO WPH1AC R&A Center 3 301 7th Street Room 6049 Washington, DC, DC 20407 United States

9. FOR INFORMATION CALL:	a. NAME Briana Glover	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) (b) (6)
--------------------------	--------------------------	-----------------------------------------------------------------------

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

See Attached

11. The contractor shall begin performance within <u>5</u> calendar days and complete it within _____ calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See <u>By August 31, 2017</u>).	12b. CALENDAR DAYS 7
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- a. Sealed offers in original and _____ copies to perform the work required are due at the place specified in Item 8 by 2:00 PM (EST) (hour) local time 5/25/2017 (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- b. An offer guarantee ☒ is, ☐ is not required.
- c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- d. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

APC Construction, LLC
1910 Peters Road
Harvey, LA 70058

15. TELEPHONE NUMBER (Include area code)

(504) 539-4260

16. REMITTANCE ADDRESS (Include only if different than Item 14.)

CODE **83-076-0869**FACILITY CODE **5LJK6**

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted

by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS

See Attached Price Schedule

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001	0002	0003	0004						
DATE.	05.09.17	05.22.17	5.25.17	6.01.17						

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

Jacque Ballay, Company Vice President**(b) (6)**

20c. OFFER DATE

06.15.2017**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED:

Line Item 0001

22. AMOUNT

\$1,357,519.00

23. ACCOUNTING AND APPROPRIATION DATA

See Attached24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)ITEM
26

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c) () ☒ 41 U.S.C. 3304(a) (5)

26. ADMINISTERED BY

WPH1AC

27. PAYMENT WILL BE MADE BY

R&A Center 3
301 7th Street
Room 6049
Washington, DC, DC 20407 United States

GSA, METROPOLITAN SERVICE CENTER
STE 200W
1099 14TH STREET NW
WASHINGTON, DC 20005

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

☒ 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN
(Type or print)

31a. NAME OF CONTRACTING OFFICER (Type or print)

Haynes Thompson

30b. SIGNATURE

30c. DATE

31**(b) (6)**

31c. DATE

6/30/2017

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	BLS IT Infrastructure Contractor must provide all labor, materials, equipment, and any other incidental required to complete the installation of new, independent fiber, terminations, upgrades to telecommunication closets and creation of drawings, as outline in the Statement of Work no later than August 31, 2017.	1	LS	(b) (4)	

SF1442 List of Accounting Strings

Accounting String	Amount Obligated
(b) (4)	\$1,357,519.00

Superseded General Decision Number: DC20160002

State: District of Columbia

Construction Type: Building

County: District of Columbia Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	01/13/2017
2	04/21/2017
3	05/05/2017

ASBE0024-007 10/01/2016

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 35.03	15.32

Includes the application of all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems

ASBE0024-008 10/01/2016

	Rates	Fringes
ASBESTOS WORKER: HAZARDOUS MATERIAL HANDLER.....	\$ 22.36	6.79

Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems

ASBE0024-014 10/01/2016

	Rates	Fringes
FIRESTOPPER.....	\$ 27.56	7.23

Includes the application of materials or devices within or around penetrations and openings in all rated wall or floor assemblies, in order to prevent the passage of fire, smoke of other gases. The application includes all components involved in creating the rated barrier at perimeter slab edges and exterior cavities, the head of gypsum board or concrete walls, joints between rated wall or floor components, sealing of penetrating items and blank openings.

BRDC0001-002 05/01/2016

	Rates	Fringes
BRICKLAYER.....	\$ 30.61	9.67

CARP0177-003 05/01/2016

	Rates	Fringes
CARPENTER, Includes Drywall Hanging, Form Work, and Soft Floor Laying-Carpet.....	\$ 27.81	9.93

* CARP0179-001 05/01/2017

	Rates	Fringes
PILEDRIVERMAN.....	\$ 30.69	9.45

CARP0219-001 04/01/2016

	Rates	Fringes
MILLWRIGHT.....	\$ 32.04	9.93

ELEC0026-016 11/07/2016

	Rates	Fringes
ELECTRICIAN, Includes Installation of HVAC/Temperature Controls.....	\$ 44.15	16.47

ELEC0026-017 09/05/2016

	Rates	Fringes
ELECTRICAL INSTALLER (Sound & Communication Systems).....	\$ 27.55	10.20

SCOPE OF WORK: Includes low voltage construction, installation, maintenance and removal of teledata facilities (voice, data and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, railroad communications, micro waves, VSAT, bypass, CATV, WAN (Wide area networks), LAN (Local area networks) and ISDN (Integrated systems digital network).

WORK EXCLUDED: The installation of computer systems in industrial applications such as assembly lines, robotics and computer controller manufacturing systems. The installation of conduit and/or raceways shall be installed by Inside Wiremen. On sites where there is no Inside

Wireman employed, the Teledata Technician may install raceway or conduit not greater than 10 feet. Fire alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit. All HVAC control work.

ELEV0010-001 01/01/2017

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 42.79	31.585+a+b

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day and the Friday after Thanksgiving.

b. VACATIONS: Employer contributes 8% of basic hourly rate for 5 years or more of service; 6% of basic hourly rate for 6 months to 5 years of service as vacation pay credit.

IRON0005-005 06/01/2016

	Rates	Fringes
IRONWORKER, STRUCTURAL AND ORNAMENTAL.....	\$ 30.85	19.435

IRON0201-006 05/01/2016

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 27.90	19.13

LAB00657-015 06/01/2015

	Rates	Fringes
LABORER: Skilled.....	\$ 22.63	7.31

FOOTNOTE: Potmen, power tool operator, small machine operator, signalmen, laser beam operator, waterproofer, open caisson, test pit, underpinning, pier hole and ditches, ladders and all work associated with lagging that is not expressly stated, strippers, operator of hand derricks, vibrator operators, pipe layers, or tile layers, operators of jackhammers, paving breakers, spaders or any machine that does the same general type of work, carpenter tenders, scaffold builders, operators of towmasters, scootcretes, buggymobiles and other machines of similar character, operators of tampers and rammers and other machines that do the same general type of work, whether powered by air, electric or gasoline, builders of trestle scaffolds over one tier high and sand blasters, power and chain saw operators used in clearing, installers of well points, wagon drill operators, acetylene burners and licensed powdermen, stake jumper, demolition.

MARB0002-004 05/01/2016

	Rates	Fringes
MARBLE/STONE MASON.....	\$ 35.91	16.17

INCLUDING pointing, caulking and cleaning of All types of masonry, brick, stone and cement EXCEPT pointing, caulking, cleaning of existing masonry, brick, stone and cement (restoration work)

 MARB0003-006 05/01/2016

	Rates	Fringes
TERRAZZO WORKER/SETTER.....	\$ 27.25	10.68

MARB0003-007 05/01/2016

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 22.46	9.75

MARB0003-008 05/01/2016

	Rates	Fringes
TILE SETTER.....	\$ 27.25	10.68

MARB0003-009 05/01/2016

	Rates	Fringes
TILE FINISHER.....	\$ 22.46	9.75

PAIN0051-014 06/01/2014

	Rates	Fringes
GLAZIER		
Glazing Contracts \$2 million and under.....	\$ 24.77	9.85
Glazing Contracts over \$2 million.....	\$ 28.61	9.85

PAIN0051-015 06/01/2016

	Rates	Fringes
PAINTER		
Brush, Roller, Spray and Drywall Finisher.....	\$ 24.89	9.15

PLAS0891-005 07/01/2016

	Rates	Fringes
PLASTERER.....	\$ 28.83	6.05

PLAS0891-006 02/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 27.65	10.08

PLAS0891-007 08/01/2016

	Rates	Fringes
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Handler.....	\$ 16.50	4.89
Mixer/Pump.....	\$ 18.50	4.89
Sprayer.....	\$ 23.00	4.89

Spraying of all Fireproofing materials. Hand application of Fireproofing materials. This includes wet or dry, hard or soft. Intumescent fireproofing and refraction work, including, but not limited to, all steel beams, columns, metal decks, vessels, floors, roofs, where ever fireproofing is required. Plus any installation of thermal and acoustical insulation. All that encompasses setting up for Fireproofing, and taken down. Removal of fireproofing materials and protection. Mixing of all materials either by hand or machine following manufactures standards.

PLUM0005-010 10/01/2016

	Rates	Fringes
PLUMBER.....	\$ 40.67	17.10+a

a. PAID HOLIDAYS: Labor Day, Veterans' Day, Thanksgiving Day and the day after Thanksgiving, Christmas Day, New Year's Day, Martin Luther King's Birthday, Memorial Day and the Fourth of July.

PLUM0602-008 11/01/2016

	Rates	Fringes
PIPEFITTER, Includes HVAC Pipe Installation.....	\$ 39.89	20.52+a

a. PAID HOLIDAYS: New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day and the day after Thanksgiving and Christmas Day.

ROOF0030-016 05/01/2016

	Rates	Fringes
ROOFER.....	\$ 28.75	11.74

SFDC0669-002 04/01/2017

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 34.40	19.24

SHEE0100-015 07/01/2016

	Rates	Fringes
SHEET METAL WORKER (Including HVAC Duct Installation).....	\$ 40.27	17.24+a

a. PAID HOLIDAYS: New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and Christmas Day

SUDC2009-003 05/19/2009

	Rates	Fringes
LABORER: Common or General.....	\$ 13.04	2.80

LABORER: Mason Tender - Cement/Concrete.....	\$ 15.40	2.85
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LABORER: Mason Tender for
pointing, caulking, cleaning
of existing masonry, brick,
stone and cement structures
(restoration work); excludes
pointing, caulking and
cleaning of new or
replacement masonry, brick,
stone and cement.....\$ 11.67

POINTER, CAULKER, CLEANER,
Includes pointing, caulking,
cleaning of existing masonry,
brick, stone and cement
structures (restoration
work); excludes pointing,
caulking, cleaning of new or
replacement
masonry, brick, stone or
cement.....\$ 18.88

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

**Bureau of Labor Statistics
Wireless Installation Task
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212**

12. BACKGROUND

The U.S. Bureau of Labor Statistics (BLS) is the principal fact-finding agency for the Federal Government in the broad field of labor economics and statistics. BLS collects, processes, analyzes, and disseminates essential statistical data to the American public, the U.S. Congress, other Federal agencies, State and local governments, businesses, labor organizations, and international statistical organizations.

BLS is located in the Postal Square Building (PSB) at 2 Massachusetts Avenue, NE, Washington, DC 20212. The original post office building was the central post office for the city and was constructed between 1911 and 1914. The building underwent a major renovation in the early 1990s, and BLS moved into the PSB in 1992 and currently occupies approximately 700,000 square feet of space on the ground floor through the fifth floor.

BLS is seeking services to survey and install wireless access points with associated equipment and cabling to respective telecommunications closets so that all BLS office spaces on the ground, first second, third, fourth, and fifth floors have modern and reliable wireless access.

This Statement of Work (SOW) defines the requirements to provide wireless access to the ground, first, second, third, fourth, and fifth floors. This includes a thorough survey, necessary equipment and installation services.

13. EXISTING INFRASTRUCTURE

There are approximately 250 LAN switches currently installed in 27 telecom closets (TCs) located on six floors (the ground through the fifth floor) of the PSB. The current BLS LAN cable plant uses category 5 Unshielded Twisted Pair (UTP) cables to support both voice and data applications.

2.1 WORK AREA CONNECTIVITY

Current work area connectivity is provided by UTP in 6-cable bundles that run from the TCs to designated work areas. With a few exceptions throughout the building, the 6-cable bundles are run through the ceiling, down through wall-mounted access panels, and into the raised access flooring in the work areas. The cables terminate onto Multi User Telecommunication Outlet Assemblies (MUTOAs), each of which service a total of six end station jacks. At each workstation, two jacks are terminated inside a flush-mounted Floor Service Module (FSM); one jack is for data and the other is for voice. There are two FSMs per workstation.

2.3 TELECOMMUNICATION CLOSETS

There are 27 TCs in the BLS occupied areas of the PSB, and they are located on the ground floor through the fifth floor. Floors 2 through 5 are serviced by six TCs each (labeled A-F), the first floor is serviced by two TCs (A and E), and the ground floor is serviced by a single TC (main

distribution frame (MDF)). In each closet, UTP cables from the Work Area Outlets (WAO) are terminated onto two sets of patch panels, one of which is designated for data and the other for voice. The patch panels feature IDC-style punch down terminals, and they are installed onto 19-inch wide Ortronics racks.

14. SCOPE

3.1 OVERVIEW

The contractor shall provide and install the required material to complete this project. The work shall include but not be limited to the following:

Base Scope:

- j. Provide site survey to determine the quantity and location of Aruba AP225 Wireless Access Points that will be necessary to provide wireless coverage to all office spaces on the ground through fifth floors at the PSB. At a minimum, protocols 802.11a, 802.11b/g/n, and 802.11ac must be supported. The site survey should provide WAP locations in the drop down ceilings where possible.
- k. In accordance with the site survey results, furnish Aruba AP225 units or better with POE adapters to provide requested wireless coverage on the ground through fifth floors at the PSB.
- l. Furnish two Aruba 7220 (US) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T) JW758A controller to support the wireless infrastructure.

Option Scope (Option to be exercised at the Government's Discretion):

- a. Furnish and install a cable patch panel in each TC to support the new Category 6 cable runs that support the WAP infrastructure. Category 6 cable runs and AP's should be ran and mounted in the ceiling where possible.
- b. Furnish and install a new Category 6 structured cabling system in accordance with NEC requirements for low-flame and low-smoke.
- c. Furnish and install necessary Category 6 compatible hardware to complete TC installations.
- d. Furnish, install, label, and terminate all cables according to provided guidelines.
- e. Furnish, install, and label all faceplates, jacks, and high density patch panels according to provided guidelines.
- f. Furnish and install wiring management for each patch panel.
- g. Test all cabling and provide test results in soft copy, organized by closet and work area ID.
- h. Ensure all installation efforts adhere and comply with national, state, and/or local building codes applicable to the specific location.

- i. Ensure all installation efforts adhere and comply with requirements of the manufacturer's warranty program, and provide all warranty documentation.

3.2 CABLING AND RELATED EQUIPMENT

3.2.1 Cable and Related Equipment Specifications

The following cable specifications and testing requirements shall be adhered to for all installed Category 6 cable:

- c. The cable must be 100-Ohm Category 6 UTP.
- d. The Category 6 UDT balanced twisted pair cable shall meet or exceed the Category 6 transmission characteristics per issue of ANSI/TIA/EIA-586-C.2.
- e. The cable shall be plenum rated and meet applicable requirements of ICEA S-103-700-2001. All support materials such as tie wraps and/or Velcro wraps shall be plenum rated.
- f. The diameter of the insulated conductor shall be .14 to .25 inches.
- g. The cable shall consist of four 24 AWG twisted pairs.
- h. The cable jacket shall be CMP rated (according to the space it occupies).
- i. The cable shall be suitable for the environment in which they are to be installed.
- j. Category 6 cable shall be terminated in a TIA/EIA-568-B configuration.
- k. Patch panels for copper cabling shall be sized to fit EIA standard 19 inch wide equipment racks.

3.2.2 Cable and Related Equipment Installation

- l. All Category 6 UTP cabling and terminations shall be installed according to ANSI/TIA/EIA 568A and shall be adhered to for all aspects of the UTP cable plant. Jacks must be provided as individual units in order to provide the maximum flexibility. Also included shall be racks and/or cabinets, and horizontal/vertical wire management.
- m. The contractor shall supply cable and termination hardware. Documentation from the manufacturer shall be required to validate the installation. All intended material to be used shall have a manufacturer's cut sheet and be provided to the government prior to installation for final approval.
- n. Cables shall be installed per ANSI/EIA/TIA standards. Cables shall be monitored during the installation operation to ensure that cables do not kink, chafe, exceed 25 pounds tension weight, or otherwise become damaged. The contractor shall not exceed the manufacturer's installation tension. Special attention shall be taken to ensure that

Category 6 cable-bending radius shall be no less than four times the diameter of the cable. Negligent damage shall be the responsibility of the contractor.

- o. Horizontal cabling must be installed in a point-to-point home run (star topology) fashion from the TCs to the WAOs.
- p. The contractor is responsible for sealing firewall penetrations used for this cabling installation in accordance with National Fire Protection Agency standards. Inspection of firewall will be conducted by the government site representative.
- q. The cable plant installation shall be accomplished in accordance with the design stated herein.
- r. During the installation, the contractor shall modify (red-line) the cable plant documentation to reflect any changes resulting from the installation and provide a copy of this final documentation to the government as a deliverable.
- s. The contractor shall be responsible for repairs of areas disturbed during the installation. The contractor shall coordinate with the appropriate trades for restoration. The government must approve restoration during the final walkthrough inspection.
- t. The contractor shall ensure that all installation techniques employed in this project conform to industry standards and/or manufacturer recommended installation procedures.
- u. The contractor shall supply all miscellaneous installation materials including but not limited to Velcro, support structure, tape, cleaning materials, spiral wrap, jet line, lubricant for cable pulling, etc. that shall be required by the installation team for the duration of project.
- v. Where available, the contractor may use existing or new under-floor duct systems. Where possible, BLS will provide the contractor with floor plans.
- w. The contractor shall be responsible for providing sleeves and/or slots as means of access into and out of the Intermediate Distribution Frames (IDFs) or other wall/riser openings required for the installation of cables if none are available.
- x. The contractor shall place patch cables in outlets when requested by the government to prepare for systems furniture placement.
- y. The contractor shall provide straight-through patch cables in multiple lengths so that any cable can connect any two eight-position modular jacks within the wiring center. These cables must also reach LAN concentrators or other equipment as required. The

quantities and categories of these patch cords will be identified by the government or during the site survey.

- z. Telecommunications cable is to be secured with approved Category 6 hardware per ANSI/TIA/EIA 569-A Commercial Building Standard for Telecommunications Pathways and Spaces.
- aa. All cables must be labeled at both ends to conform to the ANSI/TIA/EIA-606 guidelines. All adhesive labels must conform to the specifications and requirements of UL 969 (REF D-16). All labels must be typed or computer generated. Hand written labels will not be accepted.
- bb. Work shall not displace current cabling in TCs. If moving cabling is required, then approval from the government is necessary to proceed.

3.2.3 Cable Routes

- d. The contractor shall route cables away from high voltage sources, i.e. A/C voltage, fluorescent lighting, electric motors, etc. The cable plant must be protected from accidental damage caused by maintenance activities, vibrations, chaffing, or other causes of damage. Cables shall be protected from chaffing or damage due to placement techniques.
- e. Under no circumstances shall cable be allowed to lie on or be supported by a suspended ceiling or its hanging wires.
- f. The horizontal pathway and related space requirements specified in ANSI/TIA/EIA 569-B, Commercial Building Standard for Telecommunications Pathways and Spaces guidelines will apply.

3.2.4 Cable Drop Locations

- a. All cable runs shall be terminated where the final design dictates. In advance of performing a change, BLS must approve deviation from the published design. Minor changes are those that may require a cable routing change and may be handled immediately by the contractor Project Manager (PM). Minor changes are defined as having no scope or design modifications and do not incur any additional costs.
- b. Wireless Access Point (WAP) drops shall consist of two cables. The cables will run from the designated location in the ceiling to the closest TC. All WAP cabling shall be terminated to a new patch panel in each TC.
- c. The contractor is responsible for verifying drop counts shown on each set of plans. All cabling shall be run in the walls, below the raised floor, or above the ceilings unless prior approval by the government is given allowing otherwise. If able, the contractor may use existing pathways below the raised access floor or above the drop ceiling for

outlets, but if the existing pathways are overloaded, the contractor will be responsible for providing new ones.

- d. All WAOs shall be installed at locations designated on drawings supplied by the government. The government will provide the contractor with an editable CAD drawing for each floor. The contractor must update the drawing with the labeled cabling and cable pathways.
- e. Each horizontal Category 6 cable drop shall be tested to meet or exceed TIA Transmission Performance Specification for Category 6, Draft 9A (568-B.2-1)

3.5 ACCEPTABLE PRODUCTS

- c. Acceptable manufacturer's components include those made by Siemens, Amp, Leviton, Ortronics, and CommScope or equivalent.
- d. Acceptable manufacturers of copper cable are Siemens, Belden, Berk-Tek, Leviton, or equivalent.
- e. Once components from a particular manufacturer are used to start an installation, the entire project must be completed using materials supplied by that manufacturer to ensure system compatibility.
- f. All work and materials shall conform in every detail to the rules and requirements of ANSI/TIA/EIA and present manufacturing standards.

3.6 GROUNDING AND BONDING

- f. All TCs on this project must be grounded according to required ANSI/EIA/TIA standards. The grounding system must be tied together using as a minimum a #6 AWG (green) cable extending from the computer room and TC equipment racks to the telecommunications grounding bus (TGB). The main TGB will be provided by BLS. All grounding connections must be labeled in accordance with ANSI/TIA/EIA 606-A.
- g. All preinstalled pathways shall be inspected to verify and ensure that proper bonding and grounding requirements have been met.
- h. Horizontal pathways must be grounded and bonded in compliance with the requirements and ANSI/EIA/TIA standards except where other codes or authorities impose more stringent requirements.
- i. The installation conforms to applicable practices and codes (in the United States, ANSI J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications, the NEC, and local building codes.

- j. An approved ground is available in the TC for cross-connect frames and patch panel racks.
For further details, see Chapter 8 of the BICSI TDMM.

3.5 TERMINATIONS

To maintain standards, all terminations shall be in accordance with this document and the ANSI/EIA/TIA standards. At patch panels the cables shall be terminated in sequence with no drop spaces left for cables that do not exist (e.g. 001, 002, 003, etc.)

- a. Connector Blocks must be Category 6 and be Type 110 insulation displacement connectors.
- b. Jacks must be non-keyed RJ-45, suitable for and complying with the same standard as the cable to be terminated.
- c. Termination labels must comply with the provided guidelines.
- d. Horizontal cable is to be terminated in the designated TC on contractor supplied Category 6 high density patch panels.
- e. Two Category 6 UTP plenum rated cable shall be terminated at each WAO per American National Standards Institute/Telecommunications Industry Association/Electronic Industries Alliance ANSI/TIA/EIA 568-B Commercial Building Telecommunications Cabling Standard.
- f. Jacks and patch panels shall be terminated using the T568-B standard.

3.6 ACCEPTANCE AND TESTING CRITERIA

The contractor shall provide the Federal POC with final layout drawings, drop lists, and test results. The contractor shall ensure that all horizontal cables pass testing with clear pass results for Category 6 specifications. Marginal pass results will not be accepted.

- a. All twisted-pair copper cable links shall be tested for continuity, length, pair reversals, shorts, opens, and performance. Horizontal balanced twisted pair cabling shall be tested using a level IV test unit for Category 6 performance compliance.
- b. Continuity Testing: each pair of installed cable shall be tested using a test unit that shows opens, shorts, polarity and pair-reversals, and crossed pairs and split pairs. The test shall be recorded as pass/fail as indicated by the test unit and shall reference the appropriate cable identification number and circuit or pair number. Any faults in the wiring shall be corrected and the cable re-tested prior to final acceptance.
- c. Length: each installed cable link shall be tested for installed length using a TDR type device. The cables shall be tested from patch panel to patch panel, block to block, patch panel to outlet, or block to outlet as appropriate. The cable length shall conform to the maximum distances set forth in the ANSI/TIA-568-C.2 Standard. Cable lengths shall be recorded and labeled with cable identification number and circuit or pair number. For multi-pair cables, the shortest pair length shall be recorded as the length for the cable.

3.8 WARRANTY

- e. All workmanship furnished by the contractor, whether design, data, or information, shall be reviewed and approved by the government to ensure the best quality of their respective kinds, and to be free from faulty design and workmanship.
- f. The contractor shall guarantee that all work will comply with all warranties, guarantees, and building requirements, which are imposed by the government or by municipal, state, federal, or other statutes, rules, regulations, or codes. The base warranty period begins upon the government's written acceptance at the site.
- g. All materials must be new and supported by the manufacturer's warranty. In addition, all Category 6 cabling shall meet permanent link testing requirements and carry a minimum of a 25-year manufacturer warranty.
- h. The manufacturer's written warranty shall be provided upon completion of the installation for all applicable equipment and materials.

15. GOVERNMENT FURNISHED INFORMATION, PROPERTY, EQUIPMENT, AND SERVICES

The Government will be responsible for providing information and building access to the contractor. The Government will also provide a dedicated technical PM and a technical point of contact (POC) who will act as liaisons between the contractor and DTNM management.

The government PM and POC will be available during the installation to provide guidance and approve design alterations. Any cost or scope changes will be directed to the Contracting Officer and the COR at GSA. All other day to day issues will be answered by site POCs who will be named at a later date.

16. CONTRACTOR KEY PERSONNEL AND QUALIFICATIONS AND ITEMS AND RESPONSIBILITIES

The contractor shall provide a management plan with defined definitions of roles and responsibilities for each dedicated team member including past performance experience and a defined escalation path.

The contractor shall name the dedicated key personnel in their proposal, one of whom shall be deemed the technical POC for the project. The technical POC shall possess at least three years of experience in data network communication and management protocol, cable management, hardware and information systems operation support, and Microsoft Visio and Project software.

At the start date, the contractor must provide a technical assessment with detailed engineering specifications and "to be" drawings for all required components and cable plant installation within TCs, data center racks, and MDF.

17. PLACE OF PERFORMANCE

The work will be performed on-site in the BLS national office located in the Postal Square Building in Washington, DC.

Bureau of Labor Statistics
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212

18. HOURS OF OPERATION

Work must be conducted outside of normal working hours (between 7:00 p.m. and 6:00 a.m.), weekends or as permitted and agreed upon by DTNM. BLS workspaces shall be returned to full operation at the end of each day.

19. DEFINITIONS AND ACRONYMS

•	ANSI/TIA/EIA	•	American National Standards Institute/Telecommunications Industry Association/Electronic Industries Alliance
•	AWG	•	American Wire Gauge
•	BICSI	•	Building Industry Consulting Service International
•	BLS	•	Bureau of Labor Statistics
•	CLIN	•	Contract Line Item Number
•	CMP	•	Communications Plenum Cable
•	DTNM	•	Division of Technology and Network Management
•	FSM	•	Floor Service Module
•	IDC	•	International Data Corporation
•	IDF	•	Intermediate Distribution Frame
•	MDF	•	Main Distribution Frame
•	MUTOA	•	Multi User Telecommunication Outlet Assembly
•	POC	•	Point of Contact
•	PSB	•	Postal Square Building
•	PM	•	Project Manager
•	SOW	•	Statement of Work
•	TC	•	Telecommunications Closet
•	TCIM	•	Telecommunications Cabling Installation Manual
•	TDR	•	Time Domain Reflectometer
•	TGB	•	Telecommunications Grounding Bus
•	UDT	•	Unreliable Data Transfer
•	UTP	•	Unshielded Twisted Pair
•	WAO	•	Work Area Outlet
•	WAP	•	Wireless Access Point

20. DELIVERY SCHEDULE

Base

The contractor shall propose a tentative work schedule for the total project within five (5) days of award.

CLIN 1: Firm fixed price for site survey to determine the quantity and location of Wireless Access Points that will be necessary to provide wireless coverage to all office spaces on the ground through fifth floors. The completed survey will be completed and delivered within 30 days of the agreed-upon start date.

CLIN 2: Firm fixed price to furnish ceiling mounted Wireless Access Points. The WAPs will be furnished by August 31, 2017.

CLIN 3: Firm fixed price for installation of ceiling mounted WAPs. Labor and testing will be completed by August 31, 2017.

The total project inclusive of base plus options must be completed by August 31st, 2017.

21. FLOOR PLANS

The floor plans on the following pages highlight the TCs on each floor as well as the suite locations that are scheduled to be upgraded during phase 1 of the building refurbishment project.

Figure 1 – Ground Floor

(b) (5), (b) (7)(F)




Figure 2 – First Floor

(b) (5), (b) (7)(F)

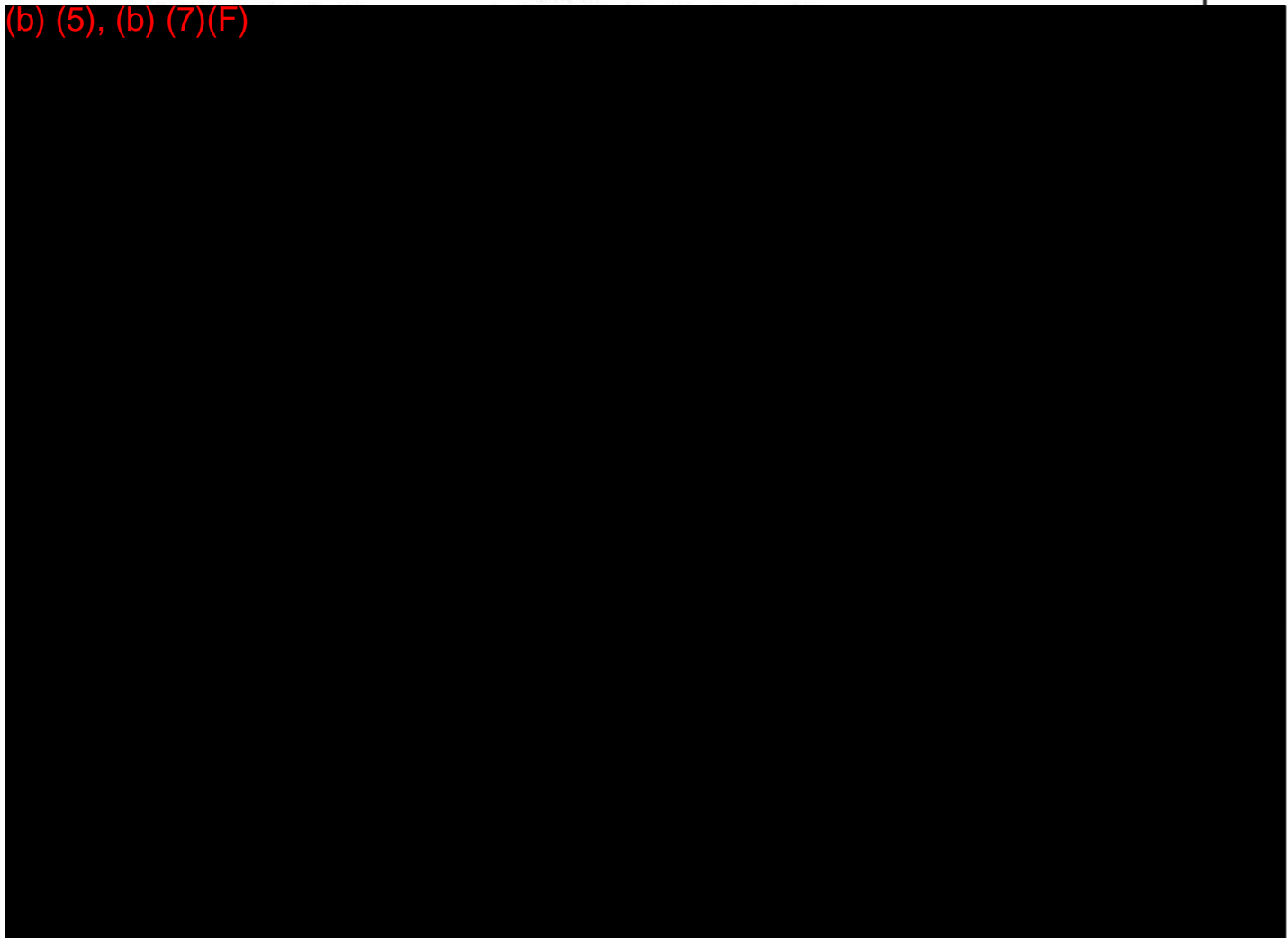


Figure 3 – Second Floor

(b) (5), (b) (7)(F)

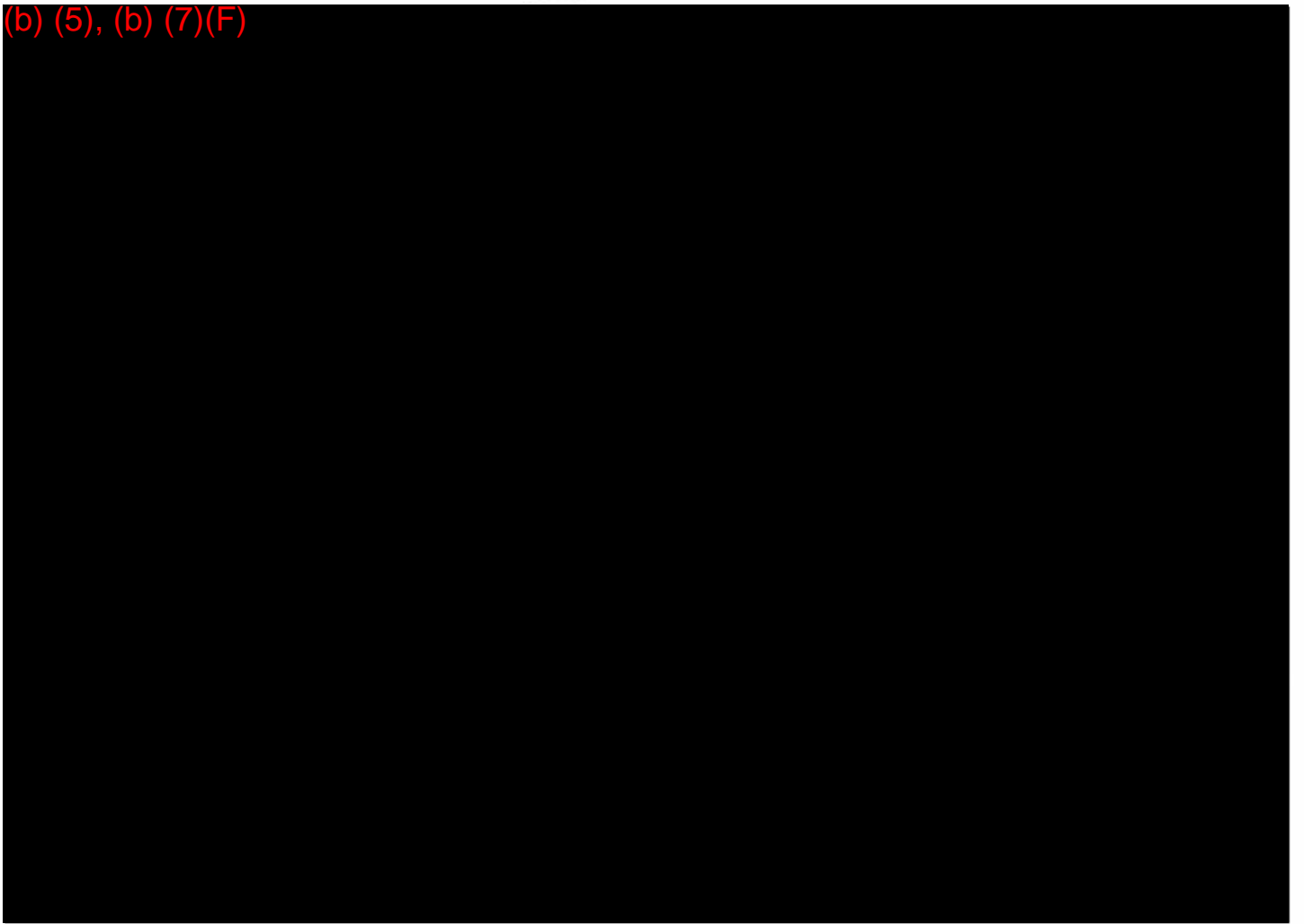


Figure 4 – Third Floor

(b) (5), (b) (7)(F)

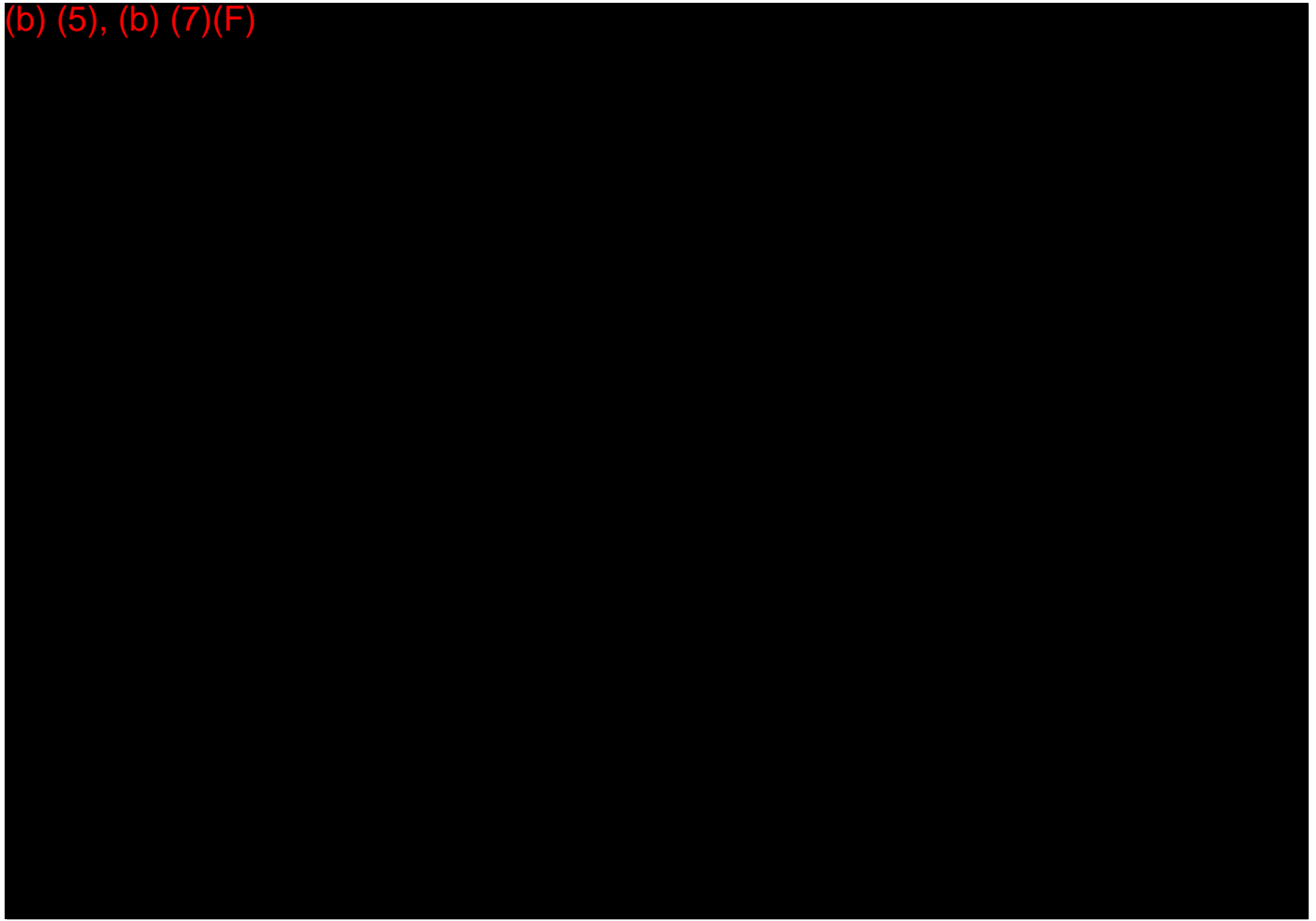


Figure 5 – Fourth Floor

(b) (5), (b) (7)(F)


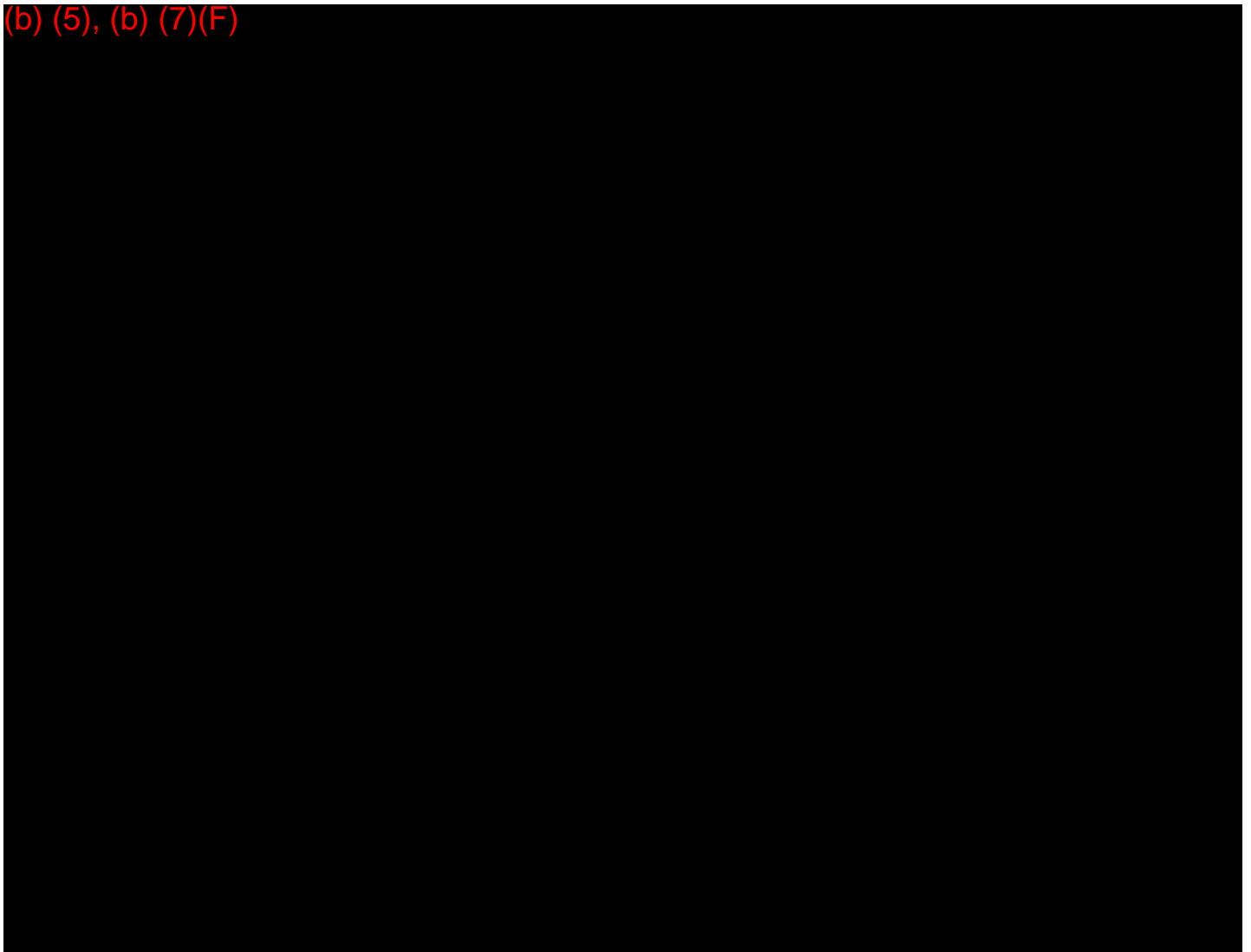


Figure 6 – Fifth Floor

(b) (5), (b) (7)(F)



BLS IT Infrastructure

Scope of Work Overview

April 26, 2017

I. Project Identification

- A.** Project Title: BLS IT Infrastructure
- B.** Building: Bureau of Labor Statistics, Post Square {DC0011ZZ}
- C.** Location: 2 Massachusetts Avenue, North East, Washington DC

II. Scope of Work

On behalf of the Bureau of Labor Statistics (BLS), the General Services Administration (GSA) requires services to survey, furnish, and install wireless access points with associated equipment and cabling to respective telecommunications closets. So that BLS offices spaces on the ground, first, second, third, fourth, and fifth floors have modern and reliable wireless access. (2) Furnish and install new, independent fiber optic cable backbone with appropriate terminations from our main distribution frame (MDF), located on the ground floor, to each of our 27 telecommunication closets (TCs) on the ground to fifth floor. In addition, BLS is seeking the creation of as-built drawings that depict the existing vertical and horizontal conduits on the ground through fifth floors.

III. Period of Performance

The project be by completed by August 31, 2017.

All work shall meet current codes, regulations, industry standards, and GSA's P100 Facilities Standards for the Public Building Service.

Contractor shall perform all work after normal business hours. Normal business hours are Monday-Friday, 7:00 AM to 5:00 PM, except for Federal Holidays. Contractor shall work nights, weekends, and federal holidays. Contractor may perform noisy work from 6:00 PM to 7:00 AM, and through weekends and holidays.

A. Definitions and Standards:

Provide: Furnish and install, complete and ready for intended use.

Install: Operations at project site, including unloading, unpacking, assembly, erecting, placing, anchoring, applying, and working to dimension, finishing, curing, protection, cleaning and similar requirements.

Furnish: Supply and deliver to project site, ready for unloading unpacking installation, assembly and similar subsequent requirements.

Remove: Remove from site and dispose of properly

A. Requirements

The following includes, but is not limited to, the work required to fulfill the objectives of this project as necessary for each technical discipline.

1. Contractor is advised to visit the project site before submitting bid proposal to determine the extent of the work.
2. In general, the Scope shall follow the attached “BLS Structure Cable System Improvement Project” and “Wireless Install Tasks” documents.
3. **Project Coordination:** Contractor shall coordinate all work activities with BLS/GSA Project Manager.
4. **HSPD-12:** Contractor shall submit a Contractor Information Worksheet (CIW) to the GSA Project Manager. For this project, BLS will issue HSPD-12 badges to cleared workers. Workers shall adhere to BLS security regulations. Workers, equipment, tools, and materials shall go through BLS Security screening upon entry into the building.
5. **Project Schedule:** Contractor shall submit a Project Schedule for GSA approval no later than 30-days after Notice to proceed.
6. **Cutting & Patching:** Contractor shall cut and patch existing finishes according to GSA’s Specification Section 017310 – Cutting and Patching.
7. **Submittals:** Contractor shall submit product data sheets, color samples, and MSDS sheets for alt materials to be used in this project for GSA/BLS approval, according to GSA's Specification section 013300 - Submittal Procedures.
8. **Clean-Up:** Contractor shall submit product data sheets, color samples, and MSDS sheets for alt materials to be used in this project for GSA/BLS approval, according to GSA's Specification section 013300 - Submittal Procedures.
9. **Hazmat:** It is not anticipated that Asbestos-Containing Materials (ACM) or Lead-Based Paint (LBP) will be encountered during work activities. However, work area should be inspected prior to starting work and if material suspect to be ACMs or LBPs are present, bulk asbestos and/or lead paint chip sampling shall be collected and tested. If workers encounter suspect materials during work, all work activities in that area shall cease immediately and bulk asbestos and/or lead paint chip sampling shall be conducted. If the materials sampled are determined necessary for removal, under Section 3.02 of Specifications Section 01546, then the contractor shall adhere to the specification and the requirements of specification Section 02085 for asbestos removal and 02090 for removal and disposal of lead based paint.

10. **Environmental:** Whenever possible the contractor will utilize low-VOC materials on project within Federal buildings.
11. **Waste & Disposal:** All waste generated as a result of contractor including but not limited to excavation and construction and/or installation of contractor supplied materials or equipment is the property of the contractor except items defined as "salvage" by the Government. The contractor is responsible for the removal and proper disposal of their waste and shall not use government owned or controlled Equipment to contain, store, or otherwise handle their trash waste materials or debris. The contractor shall provide sufficient containers to properly store and remove all waste created by their operations and remove same from the job site as soon as practicable. The contractor is responsible for assuring that all waste generated in competing this work from Government work is managed and disposed in a manner compliant with local, State and Federal law and regulations. The contractor is responsible for ensuring facility that is receiving the waste has been certified by the appropriate State or local agency for that type of waste management, or by the Environmental Protection Agency.
12. **Green Purchasing:** Products and materials play a significant role in making building construction and operations more sustainable - on a par with energy use and waste management in impact. In addition, the product and material choices GSA makes affects the health of our customers directly. Numerous statutes, regulations, and executive orders require Federal agencies and their contractors to purchase products with various environmental attributes. As part of an effort to improve GSA's performance in this area, the Offices of Acquisition Management, Design and Construction, Facilities Management and Services Programs, and Leasing have identified the products that GSA uses most frequently and developed clear environmental standards for them. These products have been called "Key Sustainable Products" or "KSPs." The list of KSP products and standards can be found at <https://www.gsa.gov/portal/directive/d0/content/664134>

The standards will be updated periodically to reflect changes in the market. Products meeting all of the KSP standards are widely available at prices comparable to or lower than their non-sustainable counterparts. Contractor shall purchase Key Sustainable Products for this project.

13. All work shall be installed according to manufacturer's instructions, standard construction practices, and in a workmanlike manner.
14. Contractors shall contract the GSA Building Manager's Office (Contact: Mr. Jim Trainor 202-438-8733) for all Access Permits. Bum Permits and Utility Outage Permits.
15. Contractor shall clean the worksite on a daily basis. Contractor shall coordinate dumpster location with the GSA Building Manager's Office.

16. Contractor shall request a final Inspection from the GSA project manager within 72-hours of work completion.
17. Contractor shall perform the work according to GSA's Specification Section 01546- Safety and Health.

IV. **Special Considerations**

A. Submittals

1. Before any work is commenced, the Contracting Officer must approve all submittals. Manufacturer's data shall be provided and annotated to show the specific model, type and size of each item.

B. Revisions

1. Prior approval by GSA of the documents listed, the Contractor shall correct or revise any drawings and documents, without additional cost to comply with the provisions of this document.
2. The normal required review time by GSA is 5 work days.
3. All formal submissions are subject to update and editing to reflect feedback from GSA. Describing the changes in the review documents as a written response without making changes in the contract documents is considered non-responsive.
4. The government shall not be liable for any additional contractor costs due to changes or revisions in the requirements of this document, which would increase the scope of services as originally negotiated and agreed to, unless such changes or revisions are authorized and approved by the Contracting Officer in writing. All requests for changes or revisions received by the contractor shall, therefore, be referred to the Contracting Officer for his or her approval.

C. Closeout

1. Prior to final payment under this work order, the Contractor shall furnish the Government with A *Release of Claims* (GSA Form 1142) to the Government under the applicable portions of this contract, other than such claims as the Contractor may except by description and stated amount of each claim.
2. Any security IDs issued by GSA or the Tenant Agency for the purposes of this task shall be returned to GSA prior to the Final Payment.

V. Attachments

- A. Structured Cable System Improvement Project
- B. Wireless Installation Task
- C. Specification Section 001546 – Safety and Health
- D. Specification Section 013300 – Submittal Procedures
- E. Specification Section 017310 – Cutting and Patching

End of Scope of Work

**Bureau of Labor Statistics
Structured Cable System Improvement Project
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212**

1. BACKGROUND

The U.S. Bureau of Labor Statistics (BLS) is the principal fact-finding agency for the Federal Government in the broad field of labor economics and statistics. BLS collects, processes, analyzes, and disseminates essential statistical data to the American public, the U.S. Congress, other Federal agencies, State and local governments, businesses, labor organizations, and international statistical organizations.

BLS is located in the Postal Square Building (PSB) at 2 Massachusetts Avenue, NE, Washington, DC 20212.

The current Local Area Network (LAN) backbone is managed by the Division of Technology and Network Management (DTNM) and comprises of horizontal fiber and copper cable between Telecommunication Closets (TCs), the Data Center, and the Embargoed Server Room, as well as vertical fiber between the ground through fifth floors.

BLS is seeking services to install new, independent fiber with appropriate terminations from our main distribution frame (MDF) to each of our 27 telecommunication closets (TCs) on the ground, first, second, third, fourth, and fifth floors. In addition, BLS is seeking the creation of a new document with drawings that depicts the existing vertical and horizontal conduit on the ground through fifth floors.

2. EXISTING INFRASTRUCTURE

The core of the BLS infrastructure is a main network plus four production sub-networks and a research and development sub-network. There are approximately 250 LAN switches currently installed in 27 TCs located on six floors (the ground through the fifth floor) of the PSB. The current BLS LAN cable plant uses category 5 Unshielded Twisted Pair (UTP) cables to support both voice and data applications.

2.1 WORK AREA CONNECTIVITY

Current work area connectivity is provided by UTP in 6-cable bundles that run from the TCs to the designated work areas. With a few exceptions throughout the building, the 6-cable bundles are run through the ceiling, down through wall-mounted access panels, and into the raised access flooring in the work areas. The cables terminate onto Multi User Telecommunication Outlet Assemblies (MUTOAs), each of which service a total of six end station jacks. At each workstation, two jacks are terminated inside a flush-mounted Floor Service Module (FSM); one jack is for data and the other is for voice. There are two FSMs per workstation.

2.2 TELECOMMUNICATION CLOSETS

There are 27 TCs in the BLS occupied areas of the PSB, and they are located on the ground floor through the fifth floor. Floors 2 through 5 are serviced by six TCs each (labeled A-F), the first floor is serviced by two TCs (A and E), and the ground floor is serviced by a single TC (MDF). In each closet, UTP cables from the Work Area Outlets (WAO) are terminated onto two sets of patch panels, one of which is designated for data and the other for voice. The patch panels feature IDC-style punch down terminals, and they are installed onto 19-inch wide Ortronics racks.

3. SCOPE

3.1 OVERVIEW

The contractor shall provide and install the required material to complete this project. The work shall include but not be limited to the following:

- a. Furnish and install new vertical cabling system using fiber cabling specifications shown in Section 10. Each vertical cable will consist of 12-strands of vertical fiber runs from the MDF room on the ground floor to each of the 27 closets on floors 1 through 5 as depicted in Figure-1/page-2.
- b. Survey and provide comprehensive drawings of existing conduit. The drawings should show dimensions, geometry, and location of all existing conduit on the ground through 5th floors of PSB.
- c. Contractor shall use Panduit Pan Net – Model: WMPV45E or like item for vertical cable management.
- d. Contractor must ensure the locations with an IDF must be connected to the MDF with point-to-point wiring.
- e. The Government requires fiber cabling specifications and hardware shown in Section 10. Furnish, install, and label all faceplates, jacks, and high density patch panels according to provided guidelines.
- f. Furnish, install, and label all TC racks according to provided guidelines.
- g. Test all cabling and provide test results in soft copy, organized by closet and work area ID.
- h. Ensure all installation efforts adhere and comply with national, state, and/or local building codes applicable to the specific location.
- i. Ensure all installation efforts adhere and comply with requirements of the manufacturer's warranty program, and provide all warranty documentation.

3.2 CABLING AND RELATED EQUIPMENT

3.2.1 Cable and Related Equipment Specifications

The following cable specifications and testing requirements shall be adhered to for all installed fiber cable:

- a. The fiber cable must be in accordance with specifications shown in Section 10 and shall meet or exceed these specifications.
- b. Equipment racks shall be ANSI/EIA/TIA standard 19 inch wide.

3.2.2 Cable and Related Equipment Installation

- a. The contractor shall supply all cable and termination hardware. Documentation from the manufacturer shall be required to validate the installation. All intended material to be used shall have a manufacturer's cut sheet and be provided to the Government prior to installation for final approval.
- b. Cables shall be installed per ANSI/EIA/TIA standards. Cables shall be monitored during the installation operation to ensure that cables do not kink, chafe, exceed 25 pounds tension weight, or otherwise become damaged. The contractor shall not exceed the manufacturer's installation tension. Special attention shall be taken to ensure that fiber cabling must meet bending radius specifications. Negligent damage shall be the responsibility of the contractor.
- c. The contractor is responsible for sealing firewall stops used for this cabling installation in accordance with National Fire Protection Agency standards. Inspection of firewall will be conducted by the Government site representative.
- d. The cable plant installation shall be accomplished in accordance with the design stated herein.
- e. During the installation, the contractor shall modify (red-line) the cable plant documentation to reflect any changes resulting from the installation and provide a copy of this final documentation to the Government as a deliverable.
- f. The contractor shall be responsible for repairs of areas disturbed during the installation. The contractor shall coordinate with the appropriate trades for restoration. The Government must approve restoration during the final walkthrough inspection.
- g. The contractor shall ensure that all installation techniques employed in this project conform to industry standards and/or manufacturer recommended installation procedures.
- h. The contractor shall supply all miscellaneous installation materials including but not limited to Velcro, support structure, tape, cleaning materials, spiral wrap, jet line,

lubricant for cable pulling, etc. that shall be required by the installation team for the duration of project.

- i. Where available, the contractor may use existing or new under-floor duct systems. Where possible, the Government will provide the contractor with floor plans.
- j. Telecommunications cable is to be secured with approved hardware per ANSI/TIA/EIA 569-A Commercial Building Standard for Telecommunications Pathways and Spaces.
- k. All cables must be labeled at both ends to conform to the ANSI/TIA/EIA-606 guidelines. All adhesive labels must conform to the specifications and requirements of UL 969 (REF D-16). All labels must be typed or computer generated. Hand written labels will not be accepted.

3.2.3 Cable Routes

- a. The contractor shall route cables away from high voltage sources, i.e. A/C voltage, fluorescent lighting, electric motors, etc. The cable plant must be protected from accidental damage caused by maintenance activities, vibrations, chaffing, etc. Cables shall be protected from chaffing or damage due to placement techniques.
- b. Under no circumstances shall cable be allowed to lie on or be supported by a suspended ceiling or its hanging wires.
- c. The vertical/horizontal pathway and related space requirements specified in ANSI/TIA/EIA 569-B, Commercial Building Standard for Telecommunications Pathways and Spaces guidelines will apply.

3.3 ACCEPTABLE PRODUCTS

- a. Once components from a particular manufacturer are used to start an installation, the entire project must be completed using materials supplied by that manufacturer to ensure system compatibility.
- b. All work and materials shall conform in every detail to the rules and requirements of ANSI/TIA/EIA and present manufacturing standards.

3.4 GROUNDING AND BONDING

- a. All TCs on this project must be grounded according to required ANSI/EIA/TIA standards. The grounding system must be tied together using as a minimum a #6 AWG (green) cable extending from the computer room and TC equipment racks to the telecommunications grounding bus (TGB). The main TGB will be provided by the Government. All grounding connections must be labeled in accordance with ANSI/TIA/EIA 606-A.
- b. All preinstalled pathways shall be inspected to verify and ensure that proper bonding and grounding requirements have been met.

- c. Horizontal pathways must be grounded and bonded in compliance with the requirements and ANSI/EIA/TIA standards except where other codes or authorities impose more stringent requirements.
- d. The installation conforms to applicable practices and codes (in the United States, ANSI J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications, the NEC, and local building codes.
- e. An approved ground is available in the TC for cross-connect frames and patch panel racks. For further details, see Chapter 8 of the BICSI TDMM.

3.5 TERMINATIONS

To maintain standards, all terminations shall be in accordance with this document and the ANSI/EIA/TIA standards.

Fiber must be terminated using fiber patch panels with LC/LC connectors at both the MDF and TC locations for each run.

3.6 ACCEPTANCE AND TESTING CRITERIA

The contractor shall provide the Federal POC with final layout drawings, drop lists, and test results. The contractor shall ensure that all horizontal cables pass testing with clear pass results for Category 6 specifications. Marginal pass results will not be accepted.

Length: each installed cable link shall be tested for installed length using a TDR type device. The cables shall be tested from patch panel to patch panel, block to block, patch panel to outlet, or block to outlet as appropriate. The cable length shall conform to the maximum distances set forth in the ANSI/TIA-568-C.2 Standard. Cable lengths shall be recorded and reference the cable identification number and circuit or pair number. For multi-pair cables, the shortest pair length shall be recorded as the length for the cable.

3.7 WARRANTY

- a. All workmanship furnished by the contractor, whether design, data, or information, shall be reviewed and approved by the Government to ensure the best quality of their respective kinds, and to be free from faulty design and workmanship.
- b. The contractor shall guarantee that all work will comply with all warranties, guarantees, and building requirements, which are imposed by the Government or by municipal, state, federal, or other statutes, rules, regulations, or codes. The base warranty period begins upon the Government written acceptance at the site.
- c. All materials must be new and supported by the manufacturer's warranty. In addition, all fiber cabling shall meet permanent link testing requirements and carry a minimum of a 25-year manufacturer warranty.

- d. The manufacturer's written warranty shall be provided upon completion of the installation for all applicable equipment and materials.

4. GOVERNMENT FURNISHED INFORMATION, PROPERTY, EQUIPMENT, AND SERVICES

The Government will be responsible for providing information and building access to the contractor. The Government will also provide a dedicated technical PM and a technical point of contact (POC) who will act as liaisons between the contractor and DTNM management.

The Government PM and POC should be contacted to provide guidance and approve design alterations. Any cost or scope changes will be directed to the Contracting Officer and the COR at GSA. All other day to day issues will be answered by site POCs who will be named at a later date.

5. CONTRACTOR KEY PERSONNEL AND QUALIFICATIONS AND ITEMS AND RESPONSIBILITIES

The contractor shall provide a management plan with defined definitions of roles and responsibilities for each dedicated team member including past performance experience and a defined escalation path.

At the start date, the contractor must provide a technical assessment with detailed engineering specifications and "to be" drawings for all required components and cable plant installation within TCs and MDF.

6. PLACE OF PERFORMANCE

The work will be performed on-site in the BLS national office located in the Postal Square Building in Washington, DC.

Bureau of Labor Statistics
Postal Square Building
2 Massachusetts Avenue, NE
Washington, DC 20212

7. HOURS OF OPERATION

Work may be conducted during normal working hours (between 7:00 p.m. and 6:00 a.m.), during non-work days, or as permitted and agreed upon by DTNM.

8. DEFINITIONS AND ACRONYMS

ANSI/TIA/EIA	American National Standards Institute/Telecommunications Industry Association/Electronic Industries Alliance
AWG	American Wire Gauge
BICSI	Building Industry Consulting Service International
BLS	Bureau of Labor Statistics
CMP	Communications Plenum Cable
DTNM	Division of Technology and Network Management
FSM	Floor Service Module
IDC	International Data Corporation
IDF	Intermediate Distribution Frame
LAN	Local Area Network
MDF	Main Distribution Frame
MUTOA	Multi User Telecommunication Outlet Assembly
POC	Point of Contact
PSB	Postal Square Building
TCIM	Telecommunications Cabling Installation Manual
TC	Telecommunications Closet
TDR	Time Domain Reflectometer
TGB	Telecommunication Grounding Bus
UDT	Unreliable Data Transfer
UTP	Unshielded Twisted Pair

9. DELIVERY SCHEDULE

The contractor shall propose a tentative work schedule for the total project within five (5) days of award. The project must be completed by August 31st, 2017.

10. FIBER CABLING SPECIFICATIONS

• OM3 Multimode	• Fiber Type
• Aqua	• Color
• 50um	• Core Size
• 10Gb at 850nm	• Data Rate
• Up to 300 Meters. Able to run 40GB or 100GB up to 100 meters utilizing a MPO connector	• Distance
• Larger Private Networks	• Applications
• LC/LC	• Patch Panel Termination
• 12 strands	• Fiber Strand needed per Closet
• 1U - 24 port fiber	• Patch panel dimensions and capacity

11. FLOOR PLANS

The floor plans on the following pages highlight the TCs on each floor.

Figure 1 – Ground Floor

(b) (5), (b) (7)(F)

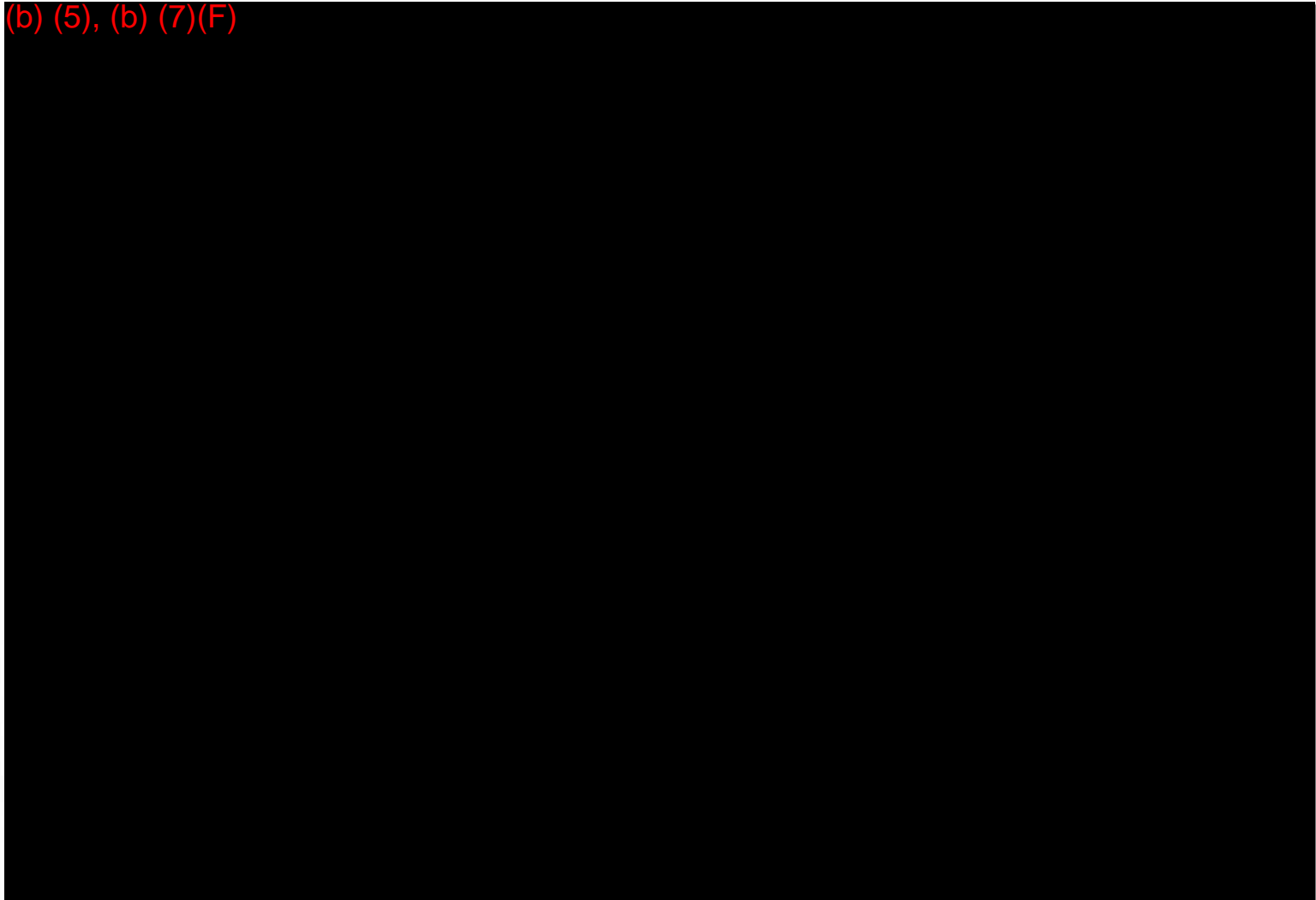
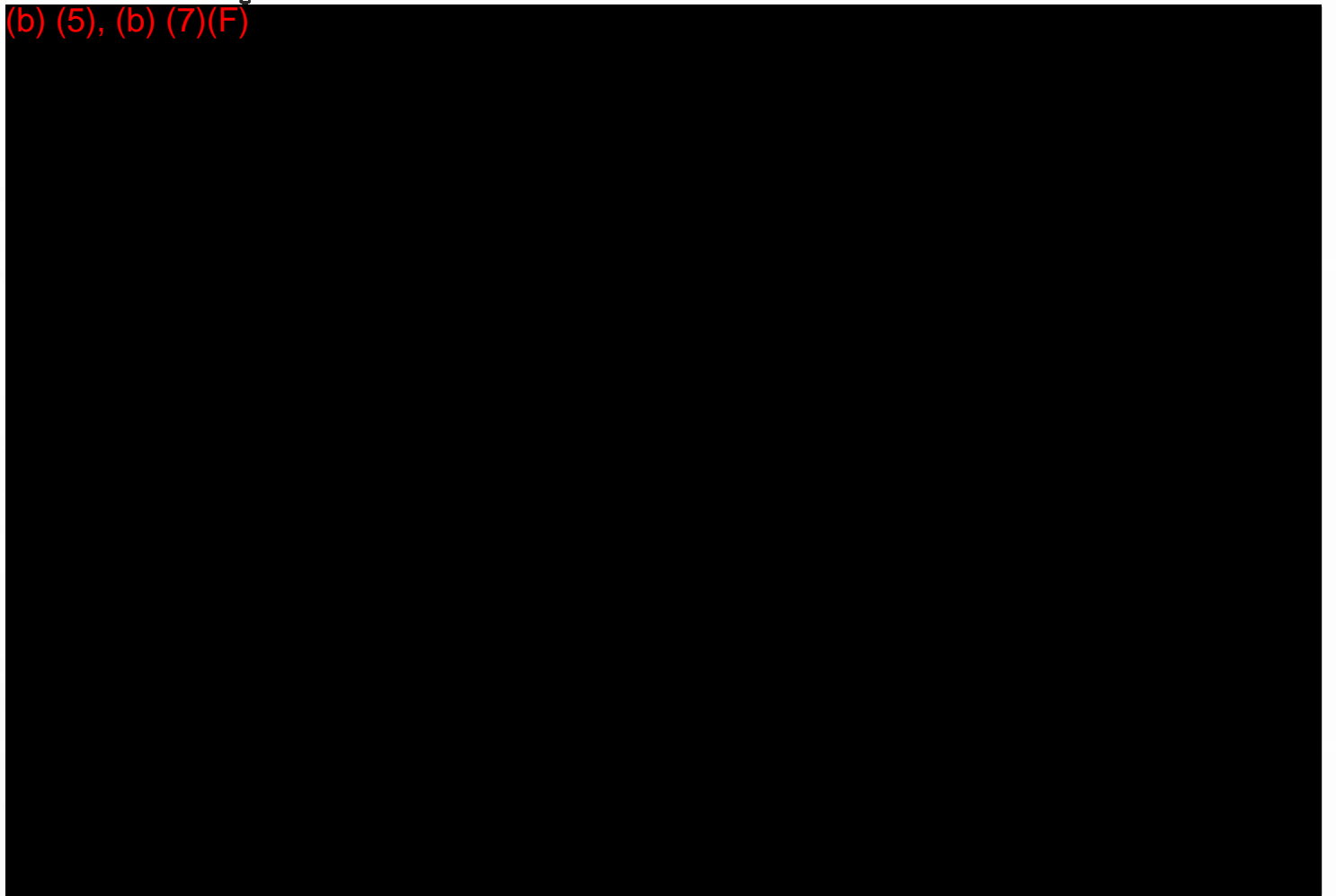


Figure 2 – First Floor

(b) (5), (b) (7)(F)




Estimated distances between MDF and 1st floor closets:

A Closet – 60 FT

Figure 3 – Second Floor

(b) (5), (b) (7)(F)

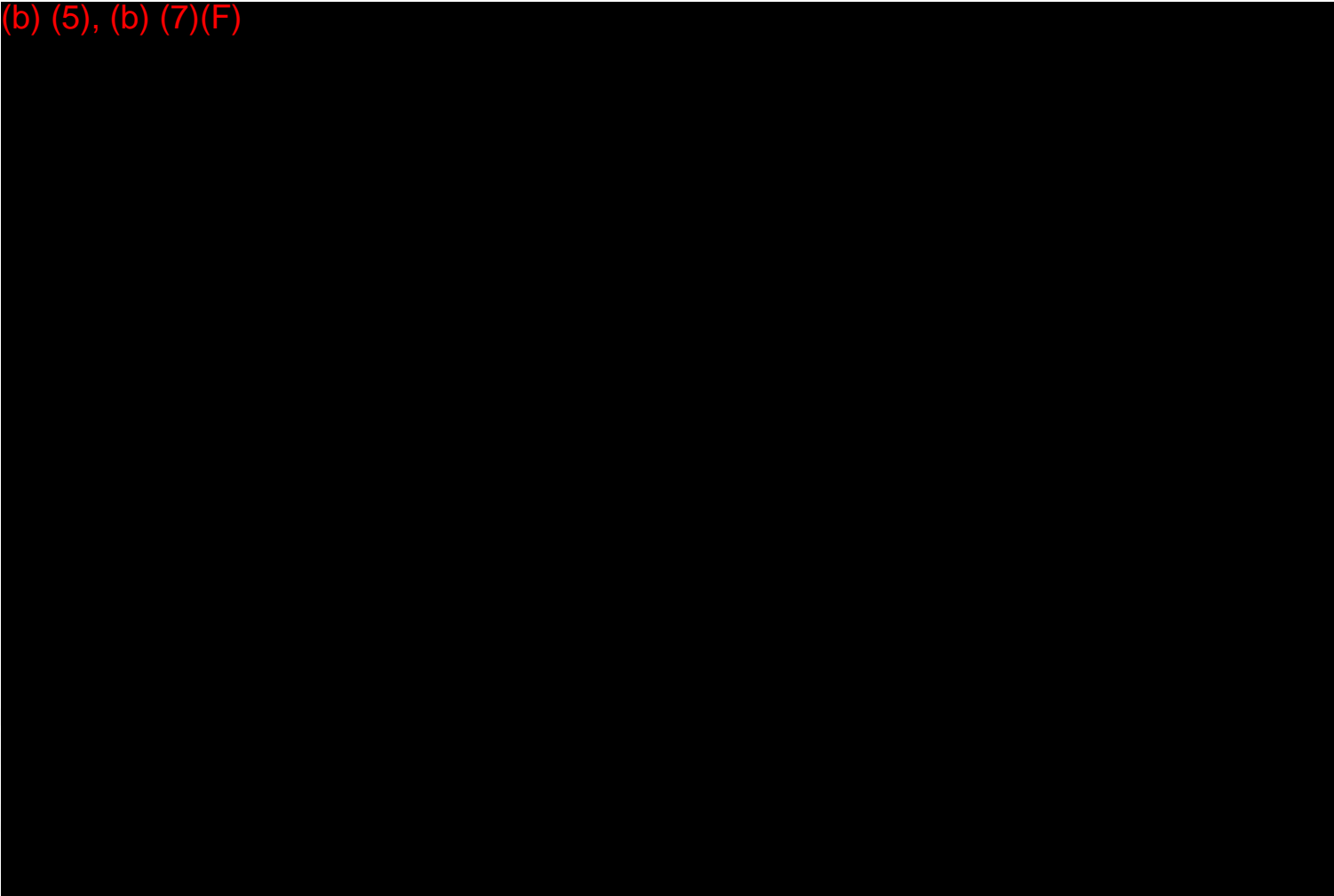


Estimated distances between MDF and 2nd floor closets:

2830 (A Closet) – 75 FT
2175 (B Closet) – 100 FT
2205 (C Closet) – 410 FT
2225 (D Closet) – 475 FT
2545 (E Closet) – 415 FT
2710 (F Closet) – 205 FT

Figure 4 – Third Floor

(b) (5), (b) (7)(F)




Estimated distances between MDF and 3rd floor closets:

3335 (A Closet) – 90 FT
3169 (B Closet) – 121 FT
3205 (C Closet) – 440 FT
3245 (D Closet) – 510 FT
3380 (E Closet) – 460 FT
3710 (F Closet) – 245 FT

Figure 5 – Fourth Floor

(b) (5), (b) (7)(F)

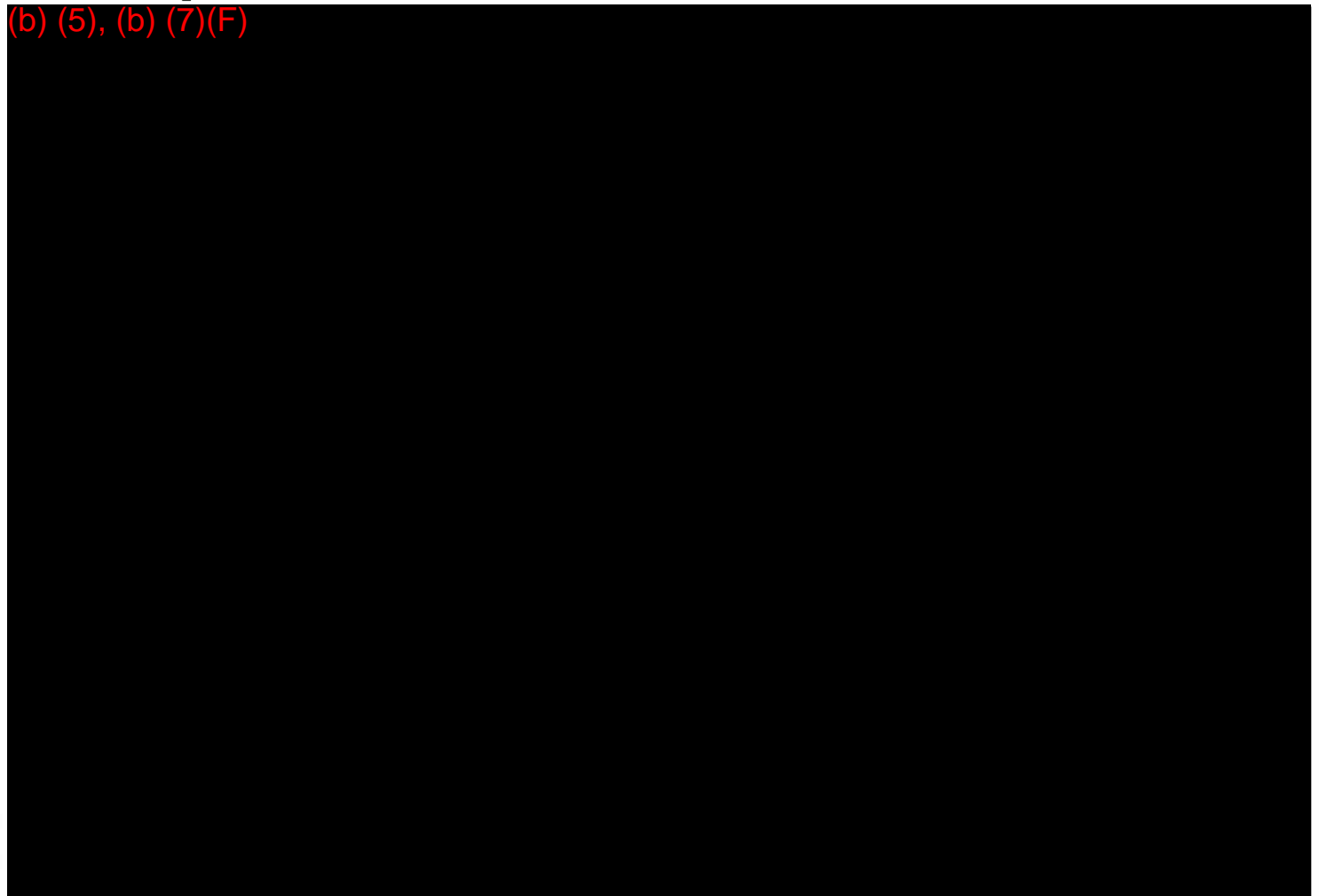


Estimated distances between MDF and 4th floor closets:

4827 (A Closet) – 115 FT
4165 (B Closet) – 162 FT
4205 (C Closet) – 460 FT
4235 (D Closet) – 545 FT
4345 (E Closet) – 455 FT
4586 (F Closet) – 275 FT

Figure 6 – Fifth Floor

(b) (5), (b) (7)(F)



Estimated distances between MDF and 5th floor closets:

5835 (A Closet) – 137 FT
5171 (B Closet) – 198 FT
5205 (C Closet) – 498 FT
5235 (D Closet) – 563 FT
5525 (E Closet) – 505 FT
5710 (F Closet) – 302 FT

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	GS-11-P-17-DC-C-0014	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5/8/2017	1 3

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NUMBER GS-11-P-17-DC-C-0035	5. REQUISITION/PURCHASE REQUEST NUMBER EQWPMA-17-0069	6. PROJECT NUMBER
7. ISSUED BY R&A Center 3 301 7th Street Room 6049 Washington, DC, DC 20407 United States	CODE WPH1AC	8. ADDRESS OFFER TO WPH1AC R&A Center 3 301 7th Street Room 6049 Washington, DC, DC 20407 United States

9. FOR INFORMATION CALL:	a. NAME Briana Glover	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) (b) (6)
--------------------------	--------------------------	-----------------------------------------------------------------------

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

See Attached

11. The contractor shall begin performance within <u>5</u> calendar days and complete it within _____ calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See <u>By August 31, 2017</u>).	12b. CALENDAR DAYS 7
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- a. Sealed offers in original and _____ copies to perform the work required are due at the place specified in Item 8 by 2:00 PM (EST) (hour) local time 5/25/2017 (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- b. An offer guarantee ☒ is, ☐ is not required.
- c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- d. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

APC Construction, LLC
1910 Peters Road
Harvey, LA 70058

15. TELEPHONE NUMBER (Include area code)

(504) 539-4260

16. REMITTANCE ADDRESS (Include only if different than Item 14.)

CODE **83-076-0869**FACILITY CODE **5LJK6**

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS

See Attached Price Schedule

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001	0002	0003	0004						
DATE.	05.09.17	05.22.17	5.25.17	6.01.17						

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

Jacque Ballay, Company Vice President**(b) (6)**

20c. OFFER DATE

06.15.2017**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED:

Line Item 0001

22. AMOUNT

\$1,357,519.00

23. ACCOUNTING AND APPROPRIATION DATA

See Attached24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)ITEM
26

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c) () ☒ 41 U.S.C. 3304(a) (5)

26. ADMINISTERED BY

WPH1AC

R&A Center 3
301 7th Street
Room 6049
Washington, DC, DC 20407 United States

27. PAYMENT WILL BE MADE BY

GSA, METROPOLITAN SERVICE CENTER
STE 200W
1099 14TH STREET NW
WASHINGTON, DC 20005

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

☒ 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN
(Type or print)

31a. NAME OF CONTRACTING OFFICER (Type or print)

Haynes Thompson

30b. SIGNATURE

30c. DATE

(b) (6)

31c. DATE

6/30/2017

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	BLS IT Infrastructure Contractor must provide all labor, materials, equipment, and any other incidental required to complete the installation of new, independent fiber, terminations, upgrades to telecommunication closets and creation of drawings, as outline in the Statement of Work no later than August 31, 2017.	(b) (4)			

SF1442 List of Accounting Strings

Accounting String	Amount Obligated
(b) (4)	\$1,357,519.00

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	GS-11-P-17-MK-C-0017	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	07/05/2017	1 3

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NUMBER	5. REQUISITION/PURCHASE REQUEST NUMBER	6. PROJECT NUMBER
GS-11-P-17-MK-C-0023	EQWPIC-17-0006	
7. ISSUED BY	CODE	8. ADDRESS OFFER TO
WPHBD		
WPHBD - OFFICE OF ACQUISITION, WEST REPAIR & ALTERATIONS CONTRACTS BRANCH - NCR 301 7TH & D STREET SW WASHINGTON, DC 20407 United States		WPHBA OFFICE OF ACQUISITION, CAPITAL CONSTRUCTION BRANCH - NCR 301 7TH & D STREET SW WASHINGTON, DC 20407 United States
9. FOR INFORMATION CALL:	a. NAME	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS)
	Suemi Smith	202-561-8217

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

See Attached Documents:

1. The Agreement
2. The Solicitation
3. SOW
4. Certs and Reps
5. Wage Determination- DC
6. Other Supporting Doc, 1541 TASK09-02.01, 1541 TASK09-03.01, SA-09 Section 01541, GSA Form 527, SF25, SF25A-15

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>182</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input type="checkbox"/> mandatory <input checked="" type="checkbox"/> negotiable. (See FAR 52.217-8).	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS 3
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
a. Sealed offers in original and <u>2</u> copies to perform the work required are due at the place specified in Item 8 by <u>2:00 PM (EST)</u> (hour) local time <u>6/15/2017</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
b. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
d. Offers providing less than _____ calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code) HITT CONTRACTING, INC. 2900 FAIRVIEW PARK DR FALLS CHURCH, VA 22042 DUNS: 003258746		15. TELEPHONE NUMBER (Include area code) 703 846-9818
16. REMITTANCE ADDRESS (Include only if different than Item 14.)		
CODE OTDS4	FACILITY CODE 003258746	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS  Thirteen Million, Four Hundred and Eleven Thousand, Three Hundred Eighty Nine

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001	0002	0003							
DATE	06/5/2017	06/12/2017	06/23/2017							

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20b. SIGNATURE	20c. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

Contractor's Price Proposal dated June 26, 2017.

22. AMOUNT \$13,411,389.00	23. ACCOUNTING AND APPROPRIATION DATA Please see attached
-----------------------------------	------------------------------------------------------------------

24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM 27	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 3304(a) ()
-------------------------------------------------------------------------------	---------	-------------------------------------------------------------------------------------------------------------------------------------------------------

26. ADMINISTERED BY OFFICE OF ACQUISITION, CAPITAL CONSTRUCTION BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States	27. PAYMENT WILL BE MADE BY PBS PAYMENTS BRANCH P.O. BOX 17181 FORT WORTH, TX 76102-0181
------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input checked="" type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print) Sheila Sears, General Counsel HITT	31a. NAME OF CONTRACTING OFFICER (Type or print) Richard Brooks
30b. SIGNATURE (b) (6)	31b. UNITED STATES OF AMERICA (b) (6)
30c. DATE 7/5/17	31c. DATE 7/5/2017

STANDARD FORM 1442 (REV. 8/2014) BACK

RECEIVED

By Nancy M. Bridgees at 9:01 am, Jul 06, 2017

ITEM NO. , FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	<p>Renovation of American Red Cross Building</p> <p>Provide Construction services to renovate the American Red Cross Building. The renovations will include, but are not limited to, demolition, architectural, mechanical, electrical, security requirements, and fire, life safety services per the design documents submitted by Jacobs Government Services Company to compete the restacking and reconfiguration of all floors starting from lower level 2 through the 5th floor.</p> <p>(b) (4)</p> <p>Obligated: \$13,411,389.00</p> <p>PoP: 06/26/2017 - 04/30/2018</p>	1	LS	13,411,389.00	\$13,411,389.00

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)		1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
		GS-11-P-17-NW-C-0019	<input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)		1 5
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.					
4. CONTRACT NUMBER		5. REQUISITION/PURCHASE REQUEST NUMBER		6. PROJECT NUMBER	
47PM1017C0004		EQWPM1E-17-0050		RDC03715	
7. ISSUED BY		CODE	8. ADDRESS OFFER TO		
WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States		WPHCE	WPHCE WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States		
9. FOR INFORMATION CALL:		a. NAME		b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS)	
		Elizabeth Vitale		202-690-8910	

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

Committed

REVIEWED

By Rhonda Jackson at 8:53 am, Aug 02, 2017

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>450</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See _____).	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS 10
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
a. Sealed offers in original and <u>1</u> copies to perform the work required are due at the place specified in Item 8 by <u>12:00 PM (EST) (hour)</u> local time <u>6/27/2017</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
b. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
d. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code) HUANG'S INC. 5601N GENERAL WASHINGTON DR ALEXANDRIA, VA 22312 DUNS: 161902184		15. TELEPHONE NUMBER (Include area code)
16. REMITTANCE ADDRESS (Include only if different than Item 14)		
CODE	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if his offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d)

AMOUNTS



18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER										
DATE.										

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20b. SIGNATURE	20c. OFFER DATE
------------------------------------------------------------------------	----------------	-----------------

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

Proposal dated July 14, 2017

22. AMOUNT \$1,997,448.00	23. ACCOUNTING AND APPROPRIATION DATA Please see attached
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 3304(a) ()
26. ADMINISTERED BY WPHCE WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States	27. PAYMENT WILL BE MADE BY PBS PAYMENTS BRANCH P.O. BOX 17181 FORT WORTH, TX 76102-0181

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31a. NAME OF CONTRACTING OFFICER (Type or print)
30b. SIGNATURE	30c. DATE

(b) (6)

STANDARD FORM 1442 (REV. 8/2014) BACK

ERIN MCGEE
Digitally signed by ERIN MCGEE
DN: cn=US, o=U.S. Government, ou=General
Services Administration, cn=ERIN MCGEE
c=US, email=erin.mcgee@gsa.gov
Date: 2017.08.02 16:55:38 -0400

SF1442 List of Accounting Strings

Accounting String	Amount Obligated
(b) (4)	\$1,997,448.00

					PAGE	OF
					4	5
ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT	
0001	<p>HVAC & Electrical Systems Upgrade (WEST BUILDINGS)</p> <p>Provide HVAC & Electrical Systems Upgrade in WEST BUILDINGS as per attached Scope of Work. This award is issued in accordance with the Partnership Agreement between the General Services Administration (GSA) and the Small Business Administration (SBA), which authorizes GSA to enter into prime contracts with 8(a) program participants. The SBA Requirement Number assigned to this contract is 0353/17/868. The following items are hereby incorporated by reference into Contract 47PM1017C0004: 1. Huang's Inc.'s proposal dated July 14, 2017, in the amount of \$1,997,448.00. 2.The statement of work dated April 12, 2017. 3.Clauses, terms and d conditions, and statement of work listed in Contract 47PM1017C0004. The Contracting Officer's Representative (COR) for this Contract is Bruce Rink. The COR is responsible for receiving, reviewing and recommending approval of all</p>	1	EA	1,997,448.00	\$1,997,448.00	

					PAGE	OF
					5	5
ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT	
	<p>valid invoices, including the final invoice, submitted by the contractor. In addition to submitting your invoices to the COR, you must submit your invoice to GSA Finance at pnconstructioninvoices@gsa.gov. Additionally, the following conditions must be met:</p> <p>1.The invoice must contain the Pegasys Document Number - EN-47PM1017C0004.</p> <p>2.The address on the invoice must match with what is in the SAM database and on the award document. Any invoice that does not meet these conditions will be rejected.</p> <p>Once a valid invoice is received it will be reviewed and payment will be authorized if the supplies/services have been received and accepted by the government.</p> <p>EN-47PM1017C0004.2017.192X.11</p> <p>.P11B0001.PG54.PG413.N20.RDC03715</p> <p>.DC0042ZZ.029....</p> <p>.RDC03715DC0042ZZ.CIPIMP.1..</p> <p>Obligated: \$1,997,448.00</p> <p>PoP: 08/14/2017 - 12/31/2018</p>					

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)		1. SOLICITATION NUMBER GS-11-P-17-NW-C-0019	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 5/30/2017	PAGE OF PAGES 1 3
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.					
4. CONTRACT NUMBER		5. REQUISITION/PURCHASE REQUEST NUMBER EQWPM1E-17-0050		6. PROJECT NUMBER RDC03715	
7. ISSUED BY WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States		8. ADDRESS OFFER TO 			
9. FOR INFORMATION CALL:		a. NAME Elizabeth Vitale		b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) 202-690-8910	
SOLICITATION					
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".					
10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)					

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>450</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See _____).	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS 10
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
a. Sealed offers in original and <u>1</u> copies to perform the work required are due at the place specified in Item 8 by <u>12:00 PM (EST)</u> (hour) local time <u>6/27/2017</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
b. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
d. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		15. TELEPHONE NUMBER (Include area code)
Huang's Inc. 5601-N General Washington Dr. Alexandria, VA 22312		(703) 982-5856
16. REMITTANCE ADDRESS (Include only if different than Item 14.)		
CODE	FACILITY CODE	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS

\$ 1,997,448

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001									
DATE	6/22/17									

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20b. SIGNATURE	20c. OFFER DATE
ZHILING L. HUANG, President	(b) (6)	7/14/17

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 3304(a) ()
26. ADMINISTERED BY	27. PAYMENT WILL BE MADE BY

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.		<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.	
30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)		31a. NAME OF CONTRACTING OFFICER (Type or print)	
30b. SIGNATURE		Danyeel Madison	
30c. DATE		31b. UNITED STATES OF AMERICA	
		BY	
		31c. DATE	

					PAGE	OF
					3	3
ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT	
0001	HVAC & Electrical Systems Upgrade (WEST BUILDINGS) Provide HVAC & Electrical Systems Upgrade in WEST BUILDINGS as per attached SOW. The proposal shall contain a detailed breakdown of all supplies, equipment, materials, labor, supervision, overhead, profit, bond, etc. PoP: 08/14/2017 - 12/31/2018	1	EA	<u>1,997,448</u>	<u>1,997,448</u>	

Estimate Summary		CCM		Construction Cost Management	
Option M2 FCU Replacement					
					07.14.2017
DIV.	Description				Cost
1.0	General Conditions	(b) (4)			
2.0	Site Work				
3.0	Concrete				
4.0	Masonry				
5.0	Metals				
6.0	Wood and Plastic				
7.0	Thermal and Moisture Protection				
8.0	Doors & Windows				
9.0	Finishes				
10.0	Access Flooring				
11.0	Equipment				
12.0	Casework & Furnishings				
13.0	Sprinkler				
14.0	Mechanical Conveying Systems				
15.0	Mechanical				
16.0	Electrical				
	Contractors O.H.				
	Profit				
	Bond				
				Total	\$821,149.04

[illegible]

Estimate Details

Option M2 FCU Replacement

Division 11.0 Equipment

07.14.2017

Code	Description	Quantity	Unit	Unit Cost	Total
	DOAS Units and Fan Coil Units	1	\$111,187.00	\$111,187	\$111,187.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				Total	\$111,187.00

[illegible]

[illegible]

Estimate Summary		CCM		Construction Cost Management	
Option M6A Repair Insulation					
					07.14.2017
DIV.	Description				Cost
1.0	General Conditions	(b) (4)			
2.0	Site Work				
3.0	Concrete				
4.0	Masonry				
5.0	Metals				
6.0	Wood and Plastic				
7.0	Thermal and Moisture Protection				
8.0	Doors & Windows				
9.0	Finishes				
10.0	Access Flooring				
11.0	Equipment				
12.0	Casework & Furnishings				
13.0	Sprinkler				
14.0	Mechanical Conveying Systems				
15.0	Mechanical				
16.0	Electrical				
	Contractors O.H.				
	Profit				
	Bond				
				Total	\$411,604.88

[illegible]

[illegible]

[illegible]

Estimate Summary		CCM		Construction Cost Management	
Option M7 Add First Floor Cooling					
					07.14.2017
DIV.	Description				Cost
1.0	General Conditions	(b) (4)			
2.0	Site Work				
3.0	Concrete				
4.0	Masonry				
5.0	Metals				
6.0	Wood and Plastic				
7.0	Thermal and Moisture Protection				
8.0	Doors & Windows				
9.0	Finishes				
10.0	Access Flooring				
11.0	Equipment				
12.0	Casework & Furnishings				
13.0	Sprinkler				
14.0	Mechanical Conveying Systems				
15.0	Mechanical				
16.0	Electrical				
	Contractors O.H.				
	Profit				
	Bond				
				Total	\$306,841.05

[illegible]

Estimate Details

Option M7 Add First Floor Cooling**Division 11.0 Equipment**

07.14.2017

Code	Description	Quantity	Unit	Unit Cost	Total
	Equipment	1	\$21,428.00	\$21,428	\$21,428.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				Total	\$21,428.00

[illegible]

[illegible]

Estimate Summary		CCM		Construction Cost Management	
Air Curtain Option					
					07.14.2017
DIV.	Description				Cost
1.0	General Conditions	(b) (4)			
2.0	Site Work				
3.0	Concrete				
4.0	Masonry				
5.0	Metals				
6.0	Wood and Plastic				
7.0	Thermal and Moisture Protection				
8.0	Doors & Windows				
9.0	Finishes				
10.0	Access Flooring				
11.0	Equipment				
12.0	Casework & Furnishings				
13.0	Sprinkler				
14.0	Mechanical Conveying Systems				
15.0	Mechanical				
16.0	Electrical				
	Contractors O.H.				
	Profit				
	Bond				
				Total	\$96,592.24

[illegible]

Estimate Details

Air Curtain Option

Division 11.0 Equipment

07.14.2017

Code	Description	Quantity	Unit	Unit Cost	Total
	Equipment	1	\$4,025.00	\$4,025	\$4,025.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				Total	\$4,025.00

[illegible]

[illegible]

Estimate Summary		CCM	Construction Cost Management		
Option E4 Electrical					
					07.14.2017
DIV.	Description				Cost
1.0	General Conditions	(b) (4)			
2.0	Site Work				
3.0	Concrete				
4.0	Masonry				
5.0	Metals				
6.0	Wood and Plastic				
7.0	Thermal and Moisture Protection				
8.0	Doors & Windows				
9.0	Finishes				
10.0	Access Flooring				
11.0	Equipment				
12.0	Casework & Furnishings				
13.0	Sprinkler				
14.0	Mechanical Conveying Systems				
15.0	Mechanical				
16.0	Electrical				
	Contractors O.H.				
	Profit				
	Bond				
				Total	\$361,262.54

[illegible]

Option E4 Electrical

07.14.2017

Code	Description	Quantity	Unit	Unit Cost	Total
	Equipment	1	\$4,025.00	\$4,025	\$4,025.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				\$0	\$0.00
				Total	\$4,025.00

[illegible]



JOB SA 51 Complex 122-19
SHEET NO. _____ OF _____
CALCULATED BY Gawthrop DATE 6 July 2017
CHECKED BY _____ DATE _____
SCALE _____

OPTION E1: REPLACE FPE PANELS

1. Statement of Work

a. Phase 2 SOW dated 04-12-17

- i. The Study suggests replacing switchboard SWB-1. SWB-1 is not in need of replacement.
- ii. In lieu of replacing SWB-1, it has been requested that the existing 8 Federal Pacific Panels be replaced.

2. Analysis

- a. NEC has changed the required gutter space needed, meaning that the existing panel enclosures are too small to meet current NEC requirements.
- b. Cutler Hammer does make a retrofit kit that is adjustable and will fit most back boxes.
- c. Since they are Federal Pacific panels, and Federal Pacific is no longer in business, the Cutler Hammer retrofit will most likely be the best option for reusing the existing panel enclosures.

3. Recommendations

- a. Provide retrofit kit panels for all 8 FPE panels. This approach will increase maintainability of the panels, but may not comply with current NEC gutter space requirements.



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OPTION M2: VRF DESIGN APPROACH

1. Statement of Work

a. Phase 2 SOW dated 04-12-17

- i. The Study suggests replacing fan coil units with VRF cassettes in select locations in the West side of the building on floors 2 through 4 and adding new cassettes in halls adjacent to the west elevator on floors 1 through 4.
- ii. The Study suggests replacing the AHU (AHU-11-10) with a DOAS units integrated with the VRF system.

2. Background

a. 1991 as-builts

i. FCU-2(AHU-11-10)

1. 1240 CFM supply air, 100% OA
2. 59 MBH sensible, 112 MBH total capacity
3. 16 GPM Chilled Water

3. Analysis

a. VRF systems have been increasing in popularity in the United States over the last ten years and have several pros and cons

i. Pros

1. Some systems can operate with separate zones in both heating and cooling, reducing the amount of energy used by the condensing unit.
2. Self-contained controls
3. Relatively low-cost
4. Small refrigerant piping reduces distribution space required.

ii. Cons

1. Entire refrigerant volume can purge into any space that the system serves or runs through in the event of a failure
2. Still requires extensive refrigerant piping routing within existing walls
3. Manufacturers are not inter-compatible
4. System life is generally 10-15 years
5. Equipment design is constantly shifting, meaning that a system may be hard to modify 5 years after installation.



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- b. Some of the areas identified in the study have small volumes, which could be problematic due to life safety restrictions outlined in ASHRAE Standard 15/34.
 - i. Most VRF systems use R-410a as the refrigerant. Per ASHRAE standard 15/34, the maximum allowable concentration of R-410a is 26 lbs per 1000 cubic feet.
 - ii. Most VRF systems contain 20-40 lbs of refrigerant due to long refrigerant lines and multiple end devices.
 - iii. From a preliminary analysis, each chilled water riser has at least one room which is too small to be included on a VRF system. This means that each riser will remain in operation.
- c. A more reliable option would be to replace the existing fan coil units with 4-pipe fan coil units.
 - i. The existing piping can be reused. It is estimated that the piping has 20-30 years of remaining serviceable life, as long as it is maintained properly. The insulation on the chilled water risers requires repair to prevent condensation damage.
 - ii. Fan coil units would have a more transparent interface with the existing controls system and are easy to maintain.
 - iii. To reduce the load of the fan coils on the chilled water system when the rooms are not in use, a tertiary pumping loop could be added in the basement to rest the supply water temperature to the fan coil units higher.
- d. To further reduce the load on the chilled water system, the DOAS should be sized to handle the latent occupant load for each space.
- e. An ASHRAE 62.1 Ventilation analysis conducted on areas served by AHU-11-10 calculates roughly 700 CFM of outdoor air is required.
 - i. As the building is historic with relatively leaky construction, pressurization requirements will be larger than ventilation requirements. The existing DOAS was selected to provide 1240 cfm of ventilation air.
 - ii. It is recommended to provide a split system DOAS to supply 1,250 cfm of ventilation air to the spaces.

4. Recommendations

- a. Replace low-boy fan coils units with four-pipe fan coil units. Fan coil units sizes, locations and types are detailed in the table below.
 - i. To reduce the load from the fan coil units on the chilled water system, the fan coil units could be collected in a tertiary loop with a chilled water supply temperature reset.



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Space	Room Served	Type	Airflow (low speed)
1029	Back Corridor	Horizontal Recessed	125
2040	Bedroom	Vertical Low-boy	185
2020	Bedroom	Vertical Low-boy	185
2044	Bathroom	Vertical Low-boy	125
2045	Sitting Room	Vertical Low-boy	125
2037	Bedroom	Vertical Low-boy	185
2017	Sitting Room	Vertical Low-boy	185
2033	Bedroom	Vertical Low-boy	370
3045	Back Corridor	Horizontal Recessed	125
3008	Bedroom	Vertical Low-boy	185
3006	Bedroom	Vertical Low-boy	185
3017	Bathroom	Vertical Low-boy	125
3019	Sitting Room	Vertical Low-boy	125
3022	Bedroom	Vertical Low-boy	185
3021	Bedroom	Vertical Low-boy	185
3005	Bedroom	Vertical Low-boy	185
3016	Bedroom	Vertical Low-boy	185
3024	Curio Room	Vertical Concealed Low-boy	185
4014	Bedroom	Vertical Low-boy	250
4015	Bedroom	Vertical Low-boy	250
4019	Bedroom	Vertical Low-boy	185
4021	Bathroom	Vertical Low-boy	125
4022	Bedroom	Vertical Low-boy	185
4005	Bedroom	Vertical Low-boy	185
4004	Bathroom	Vertical Low-boy	125
4002	Bedroom	Vertical Low-boy	185
4003	Bedroom	Vertical Low-boy	185
4009	Bathroom	Vertical Low-boy	125
4008	Bedroom	Vertical Low-boy	185
4037	Back Corridor	Horizontal Recessed	125

b. Replace AHU-11-10 with a split system providing 100% OA.

- i. Provide a split system with modulating hot gas reheat, to cool 1,250 cfm of air from 83°F db and 78°F wb to 50°F db and 49.2°F wb. Hot Gas Reheat to 68°F. System shall heat 1,250 cfm of air from 10°F to 75°F using 180°F heating hot water.



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OPTION M6A: REPAIR INSULATION AT CONDENSATION LOCATIONS

1. Statement of Work

a. Phase 2 SOW dated 04-12-17

- i. This option replaces insulation where it has failed resulting in condensation damage to the ceilings below the chilled water piping.
- ii. The chilled water piping indicated in the study is in the ceiling space of the basement level, under the west portion of the complex.

2. Analysis

- a. During survey, no damage to the basement ceilings from condensation was found. Tiles located under the chilled water piping mains were not wet.
- b. In discussing the study intent with the Blair House facilities group, it was mentioned that the condensation really is damaging the ceilings in the first and second floors where the pipe risers are routed.
- c. The piping serves the fan coil units and the DOAS which provides ventilation air for the west side of the complex. The chilled water piping has a compromised vapor barrier, this is allowing moist air to come into contact with the piping and condense inside the insulation. The condensation then runs down along the piping until the piping changes direction from vertical to horizontal.

3. Recommendations

- a. Provide new insulation and Zero Perm Vapor Barrier on chilled water piping serving fan coil units.
- b. If the cost associated with replacing the insulation on the piping in the west side of the complex is too high, it could be replaced on a riser-by-riser basis.
- c. Risers serving the west portion of the complex are highlighted in the following pdf.

GENERAL INFORMATION		PROJECT INFORMATION		BIDDER INFORMATION		BID SUMMARY		BID BREAKDOWN		BID TOTALS	
ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL PRICE	EST. COST	EST. PROFIT	EST. TAX	EST. TOTAL	EST. TOTAL	EST. TOTAL
<p>(b) (5), (b) (7)(F)</p>											
TOTAL											

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(b) (5), (b) (7)(F)



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OPTION M7B: FIRST FLOOR ADD COOLING DESIGN APPROACH

1. Statement of Work

a. Phase 2 SOW dated 04-12-17

- i. Provide supplemental cooling to rooms 1016, 1017, 1018, and Blair House Entrance Hall.
- ii. The scope of work indicates that additional cooling shall be provided by providing a 1600 cfm blower coil unit in the basement and routing ductwork in to rooms 1016 and
- iii. The scope of work indicates replacing the cabinet unit heater in Blair entrance hall with a 4-pipe fan vertical cabinet fan coil unit.

2. Background

a. 1991 as-builts

- i. Ductwork runs from AHU-11-4 to rooms throughout the basement and first floor of the west building and serves one room on the second floor.

b. 2002 Drawings

- i. AHU-11-4 is split into AHU-11-4A and AHU-11-4B. AHU-11-4B is the only one of the two that serves areas identified
- ii. AHU-11-4B Data, from manufacturer and schedule
 1. 4900 CFM supply, 1355 CFM OA
 2. 55 DB/ 54.7 WB LAT
 3. 133 MBH sensible, 193 MBH total
 4. 43 GPM Chilled Water

3. Analysis

- a. The cabinet unit heater in the front entrance hall should be replaced with a vertical cabinet-type fan coil unit. The riser to which it will be connected is located in the wall behind the unit. Connections should be made in the ceiling space of the basement.
- b. While adding a 5 ton blower coil unit would provide some additional capacity, it will not adequately address dehumidification during large events. Blower coils are generally unable to provide adequate dehumidification in part load.
- c. During discussions with staff on site, it was determined that AHU 11-4B performs adequately during part load conditions but cannot meet the load when the building is used to host an event. Rather than provide a supplemental unit, a larger capacity



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replacement AHU should be provided with an additional single duct VAV box to serve the internal load.

- i. From a preliminary load calculation, the airflow required under a typical event scenario is around 6500 cfm. The existing AHU is sized to provide 4900.
- ii. By increasing the AHU size and airflow the unit is capable of providing more airflow that the blower coil would add at a more effective supply air temperature with less chilled water flow.

4. Recommendations

- a. Provide vertical fan coil unit in entrance hall.
- b. Rebalance existing VAV boxes served by AHU 11-4B to account for calculated loads.
- c. Provide controls upgrade on AHU 11-4B to enable effective operation at full and part load.
- d. Provide new floor return and supply grilles as indicated in the study to serve interior zone.
- e. Provide additional wall grilles as indicated in the study, connected to existing ductwork
- f. AHU 11-4 should be replaced with a larger unit to enable the AHU to meet the space loads when the building is being used to host an event.
 - i. The unit details are on the following cutsheet.
 - ii. Additionally a larger return fan should be provided for the full flow of the AHU, 6500 cfm.



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(b) (5), (b) (7)(F)

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SCALE _____

(b) (5), (b) (7)(F)

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 SCALE _____

OPTION XX: JACKSON PLACE AIR CURTAIN

1. Statement of Work


- a. There is no requirement in the statement of work for an air curtain system.
- b. As the entrance usage has shifted since the original study was completed, the Blair House Staff has indicated that an air curtain, similar to that provided under Phase 1 at the Blair House entrance.

2. Analysis

- a. During the Phase 1 design effort, it was noted that the outside air supplied to the building appears to be less than the air exhausted from the building, meaning that the building is negatively pressurized, based on schedule and TAB data from previous projects.
 - i. The currently calculated building pressurization value is -3500 cfm.
- b. An air curtain similar to the one to be provided at the Blair House entrance may provide some level of climate control. Though, if the event is occurring during a humid summer day or a windy and cold winter night, with a lot of guests moving through the entrance, the system will not be able to keep up with the load.
 - i. Based on the entrance enclosure having little insulation value and lacking a tight seal to keep conditioned air from escaping, providing conditions of 75°F dry-bulb and 50% relative humidity is not achievable without a large air conditioning system.
 - ii. For this reason the system provided should be based upon 12,000 Btuh of capacity, and maintain conditions at the entrance only as it is able.

3. Recommendations

- a. Before installing any additional air curtain systems, it is recommended that the entire building air balance be determined.
 - i. TAB each AHU (approximately 11) at both maximum and minimum (if applicable) airflows, also TAB chilled and heating water coils in each AHU.
 - ii. TAB each exhaust fan (approximately 18)
- b. If the building staff is still concerned about conditions at the entrance, provide an air curtain of the same size and configuration as in Phase 1. Assume the condensing unit would be located 50 feet away from the entrance for noise and visibility concerns.

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)		1. SOLICITATION NUMBER GS-11-P-17-NW-C-0011	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED	PAGE OF PAGES 1 6
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.					
4. CONTRACT NUMBER 47PM1017C0006		5. REQUISITION/PURCHASE REQUEST NUMBER EQWPM1E-17-0038		6. PROJECT NUMBER RDC02607	
7. ISSUED BY WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States		CODE WPHCE	8. ADDRESS OFFER TO WPHCE WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States		
9. FOR INFORMATION CALL: 		a. NAME Elizabeth Vitale		b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) 202-690-8910	
SOLICITATION					
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".					
10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)					

Committed

REVIEWED

By ElizabethAsefaw at 3:58 pm, Aug 02, 2017

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>365</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See _____).	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS 10
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
a. Sealed offers in original and _____ copies to perform the work required are due at the place specified in Item 8 by <u>12:00 PM (EST) (hour)</u> local time <u>5/1/2017</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
b. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
d. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

SILVER LAKE CONSTRUCTION, LLC
3215 W STATE ST STE 309E
MILWAUKEE, WI 53208
DUNS: 080082908

15. TELEPHONE NUMBER (Include area code)

16. REMITTANCE ADDRESS (Include only if different than Item 14.)

CODE

FACILITY CODE

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS



18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER										
DATE.										

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

20b. SIGNATURE

20c. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

Silver Lake Construction's final proposal revision dated July 26, 2017.

22. AMOUNT

\$1,995,230.00

23. ACCOUNTING AND APPROPRIATION DATA

Please see attached

24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)

ITEM

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c) () ☒ 41 U.S.C. 3304(a) (5)

26. ADMINISTERED BY

WPHCE

WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR
300 7TH & D STREET SW
WASHINGTON, DC 20407 United States

27. PAYMENT WILL BE MADE BY

PBS PAYMENTS BRANCH
P.O. BOX 17181
FORT WORTH, TX 76102-0181

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

☐ 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN
(Type or print)

31a. NAME OF CONTRACTING OFFICER (Type or print)

Sharron Bowie

30b. SIGNATURE

30c. DATE

31b. UNITED STATES OF AMERICA

31c. DATE

8/4/2017

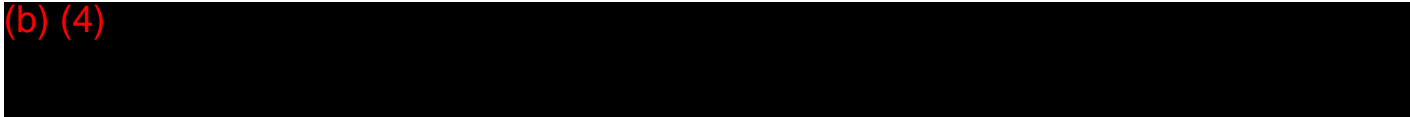
(b) (6)

SF1442 List of Accounting Strings

Accounting String

Amount
Obligated

(b) (4)




ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	Design/Build for East Wing HVAC Upgrades (Fan Coil, AHU, Ducts) Provide design/build work for the East Wing HVAC Upgrades (Fan Coil, AHU, Ducts) as per the attached SOW. This award is issued in accordance with the Partnership Agreement between the General Services Administration (GSA) and the Small Business Administration (SBA), which authorizes GSA to enter into prime contracts with 8(a) program participants. The SBA Requirement Number assigned to this contract is 0563/17/702511/01. The following items are hereby incorporated by reference into Contract 47PM1017C0006: 1. Silver Lake Construction's final proposal revision dated July 26, 2017, in the amount of \$2,307,989.20 (\$1,995,230.00 - base bid; \$312,759.20 - alternates). 2. Clauses, terms and conditions, and statement of work listed in Contract 47PM1017C0006. The Contracting Officer's Representative (COR) for this Contract is Paul Ostazeski. The	1	JB	1,995,230.00	\$1,995,230.00

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
	<p>COR is responsible for receiving, reviewing and recommending approval of all valid invoices, including the final invoice, submitted by the contractor. In addition to submitting your invoices to the COR, you must submit your invoice to GSA Finance at pnconstructioninvoices@gsa.gov. Additionally, the following g conditions must be met:</p> <p>1.The invoice must contain the he Pegasys Document Number - EN-47PM1017C0006. 2.The address on the invoice must match with what is in the SAM database and on the award document. Any invoice that does not meet these conditions will be rejected. Once a valid invoice is received it will be reviewed and payment will be authorized if the supplies/services have been received and accepted by the government.</p> <p>EN-47PM1017C0006.2017.192X.11 .P11B0001.PG54.PGL26.V04.RDC03480 .DC0037ZZ.051..... Obligated: \$381,583.30</p> <p>EN-47PM1017C0006.2017.192X.11 .P11B0001.PG54.PG413.N20.RDC02607 .DC0037ZZ.038....</p>				

					PAGE	OF
					6	6
ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT	
	.RDC02607DC0037ZZ.CIPIMP.1.. Obligated: \$1,613,646.70 PoP: 09/01/2017 - 08/31/2018					

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER GS-11-P-17-NW-C-0011	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 4/3/2017	PAGE OF PAGES 1 3
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			

4. CONTRACT NUMBER	5. REQUISITION/PURCHASE REQUEST NUMBER EQWPM1E-17-0038	6. PROJECT NUMBER RDC02607
7. ISSUED BY WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States	CODE WPHCE	8. ADDRESS OFFER TO
9. FOR INFORMATION CALL: 	a. NAME Elizabeth Vitale	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) 202-690-8910

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>365</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See _____).	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
a. Sealed offers in original and _____ copies to perform the work required are due at the place specified in Item 8 by <u>12:00 PM (EST)</u> (hour) local time <u>5/1/2017</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
b. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
d. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code) Silver Lake Construction, LLC 3215 West State Street, Suite 309E Milwaukee, WI 53208-3364 DUNS: 080082908		15. TELEPHONE NUMBER (Include area code) (414) 290-9487
CODE 7HWT8 FACILITY CODE 7HWT8		16. REMITTANCE ADDRESS (Include only if different than Item 14.)

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within 60 calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS

\$1,995,230.00.00 See attached cost proposal

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001	0002	0003							
DATE.	19 APR 2017	7 Jun 2017	29 JUN 2017							

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print) Robert F.X. Giroux, General Manager	20b. SIGNATURE (b) (6)	20c. OFFER DATE 26 JUL 2017
---------------------------------------------------------------------------------------------------------------	---------------------------	--------------------------------

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 3304(a) ()
26. ADMINISTERED BY WPHCE - OFFICE OF ACQUISITION, WHITE HOUSE CONTRACTING BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States	27. PAYMENT WILL BE MADE BY PBS PAYMENTS BRANCH P.O. BOX 17181 FORT WORTH, TX 76102-0181

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31a. NAME OF CONTRACTING OFFICER (Type or print) Sharron Bowie
30b. SIGNATURE	31b. UNITED STATES OF AMERICA BY
30c. DATE 16 JUN 2017	31c. DATE

(b) (6)

					PAGE	OF
					3	3
ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT	
0001	Design/Build for East Wing HVAC Upgrades (Fan Coil, AHU, Ducts) Provide design/build work for the East Wing HVAC Upgrades (Fan Coil, AHU, Ducts) as per the attached SOW. PoP: 03/01/2017 - 03/31/2018	1	JB	<u>\$1,995,230.00</u>	\$1,995,230.00	



DESIGN BUILD PROPOSAL BY DIVISION

Owner: General Services Administration (Solicitation No.: GS-11-P-NW-C-0011)
Project: Design-Build Services- Second Floor Fan Coil, Duct and Air Handler Replacement
Location: Undisclosed Government Building
Architect: One Design Group
Engineering: DDG Engineering
SOW: GSA Scope of Work For Design Build (D/B) Contract dated April 3, 2017
Estimate Type: Lump Sum Estimate
Estimate Date: June 30, 2017

PROPOSAL SUMMARY

DIVISION	DESCRIPTION	Bid Amount
DIVISION 2	ABATEMENT/DEMOLITION	
2A	HazMat Abatement and Selective Demolition	\$ (b) (4)
DIVISION 3	CONCRETE	
DIVISION 4	MASONRY	
DIVISION 5	METALS	
DIVISION 6	WOOD & PLASTICS	
DIVISION 7	THERMAL & MOISTURE PROTECTION	
DIVISION 8	DOORS & WINDOWS	
DIVISION 9	FINISHES	
9A	Framing, Ceilings, ACT, Daily Protections/Cleaning	\$
9B	Paint	\$
DIVISION 10	SPECIALTIES	
DIVISION 11	EQUIPMENT	
DIVISION 12	FURNISHINGS	
DIVISION 13	SPECIAL CONSTRUCTION	
DIVISION 14	CONVEYING SYSTEMS	
DIVISION 15	MECHANICAL	
15A	Mechanical	\$
15B	Plumbing	
15C	Fire Protection - Sprinkler	\$
DIVISION 16	ELECTRICAL	
16A	Electrical and Fire Alarm	\$
	SUBTOTAL	\$
	GENERAL CONDITIONS, PROJECT & FIELD MANAGEMENT	\$
	ARCHITECTURAL/MECH/ELEC. DESIGN SERVICES	\$
	LIABILITY INSURANCE	
	OVERHEAD (10.0%)	\$
	FEE (10.0%)	\$
	SUBTOTAL	\$
	PAY AND PERFORMANCE BOND (2.0%)	\$
	TOTAL PROPOSAL AMOUNT	\$ 1,995,230.00

ADD ALTERNATES

- | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------|
| 1) Scaffolding for central hallway. Will be required if the project is completed in phases versus the 30-day area complete shutdown for construction. | \$ | (b) |
| 2) Finishes to conceal the scaffolding and temporary utilities for central hallway presented in Alternate No. 1. | \$ | (b) |
| 3) Replace all 2nd floor ductwork mains and branches | \$ | (b) (4) |

NOTES AND CLARIFICATIONS

- 1) The project Period of Performance is 365 days. See Phasing Plan/Preliminary schedule for clarifications. The DUCTING scope of work has been removed from this cost proposal. The works will not occur as shown in the scheudle, all other works remain unchanged.
- 2) The above costs are based on the information, discussions, and documents provided by GSA.
- 3) Wage scale and certified payroll
- 4) Full time on-site supervision.
- 5) Building management rules and regulations are acknowledged.
- 6) General daily cleaning is included.
- 7) The existing mechanical equipment will be surveyed before the start of construction. A report will be provided to GSA.
- 8) Pre-demolition air balance readings and Certified air balance
- 9) Fire Alarm Tie-ins are by BFPE and BMS Controls by Schneider Electric
- 10) Work hours are Sunday night through Thursday night 7 pm - 3 am (8 hour shift) or Monday night through Thursday night 7pm to 5 am (10 hour shift). Weekend work will only be for the replacement of the AHU.
- 11) Work areas for the abatement work as defined in the phasing drawings provided with previous proposal submission.
- 12) All building protections are included. Reasonable common corridor protection will be installed and removed nightly.
- 13) During 2nd Floor abatement and restoration works the spaces will be Off-Limits to all non-construction personnel. Access would pose significant health & safety risks. Government responsible for all swing space tenant relocation.
- 14) The government will provide escorts at no cost to this contractor.
- 15) Provide 1 year warranty on all materials, labor, and equipment.
- 16) Industrial hygienist will BE PROVIDED BY THE OWNER.
- 17) Two air scrubbers will be in the construction area for the full time of the demolition/abatement work.
- 18) No VAV/terminal unit system is included. A full controls package would need to be design, installed, and integrated which is not included with design costs.
- 19) No work proposed/budgeted with the FCUs or piping.
- 20) No estimate for re-working or providing new infrastructure for existing plenum cabling. Cabling will be temporarily supported during ceiling and abatement works.
- 21) Proposed light fixtures are on stand alone controls (occupancy sensors) only. Existing building controls is not set-up with a full lighting controls package as listed in the SOW.

EXCLUSIONS

- 1) Escorts for crews
 - 2) Relocation or dismantling of existing furniture or belongings
 - 3) Machine floor scrapers
 - 4) Repairs to existing to remain mechanical equipment or support systems.
 - 5) Floor leveling
 - 6) Lead Paint Abatement
 - 7) Replace of riser and 2nd floor ductwork. Allowance provided for minimal repairs to send floor ducting.
 - 8) Rework or supporting of existing electrical, telephone, data or security wiring in the attic space. These existing services do need to be properly supported to meet code and for this contractor to complete the scope of work to replace duct and ceilings. Cabling will be temporarily supported during ceiling and abatement works.
 - 9) Construction to SCIF standards of any kind.
 - 10) Integrated lighting controls system.
-

DIVISION 1 - GENERAL CONDITIONS

COST CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ESTIMATED
		(b) (4)			
1.10	MISC. EQUIPMENT & SUPPLIES				
1.1.1	Miscellaneous Job Supplies				
1.1.2	Field Office Supplies				
1.1.3	Small Tools & Equipment				
1.1.4	Office Equipment & Copy Machine				
1.1.5	Computer Software				
1.1.6	Computer Equipment				
1.20	PLANS & SURVEYS				
1.2.1	Drawing & Specification Reproduction				
1.2.2	Postage & Courier Service/Express Mail				
1.2.3	Surveys and Layout				
1.2.4	Shop Drawings/Submittals/O&M's				
1.2.5	Redline As-Built Record Drawings				
1.30	DESIGN AND CONSTRUCTION MANAGEMENT				
1.3.1	Preconstruction Services (A/E Coordination, Permit)				
1.3.2	Project Executive (Part Time - 10%)				
1.3.4	Project Manager (Design Phase - 20%)				
1.3.5	Project Manager (Construction Phase - 75%)				
1.3.6	Assistant Project Manager (Design Phase)				
1.3.7	Assistant Project Manager (Construction Phase - 33%)				
1.3.8	Superintendent #1 (Full Time)				
1.3.9	Superintendent #2 (Full Time for 4 Weeks)				
	FICA,FUTA,SUTA,WC				(b) (4)
1.40	INCIDENTAL CONSTRUCTION	(b) (4)			
1.4.1	Dust Protection				
1.4.2	Floor & Wall Protection				
1.4.4	Purchase Air Scrubbers, Filter and Accessories				
1.4.5	Fire Extinguishers				
1.4.6	Hoisting / Delivery				
1.4.7	Site Signage				
1.4.8	Parking Costs (GC and All Trades)				
1.50	SPECIAL CONSTRUCTION				
1.5.1	Progress Photos				
1.5.2	Communications				
1.60	TEMPORARY FACILITIES				
1.6.1	Field Offices				
1.6.2	Misc. Trailers				
1.6.3	Internet Service				
1.6.4	Drinking Water & Ice				
1.70	JOB CLEAN-UP & CLOSE-OUT				
1.7.1	Laborer for Daily Clean-up (1 man)				
1.7.2	Final Construction Cleaning				
1.7.3	Trash Hauling				
1.90	PERMITS, TESTING & INSPECTIONS				
1.9.1	Site Permits				
1.9.2	Trade Permits				
1.9.3	3rd Party DCRA Inspections				
	SUBTOTAL - DIVISION 1				\$ 216,381

ARCHITECTURAL AND ENGINEERING SERVICES

Cost Code	Description	Unit	Quantity	Unit Cost	Total Cost
1A.1.1	Architectural Field Verification & CAD Plans	(b) (4)			
1A.1.2	MEP Field Verification of Existing Conditions				
1A.1.3	Arch. & MEP Construction Document Phase				
1A.1.4	Arch. & Structural Temp Platform Design (Occupied Const.)				
1A.1.5	Arch. & MEP Construction Administration				
1A.1.6	Designer Meeting Attendance (Assume 10 Meetings)				
1A.1.7	Perform Abatement Pre Alteration Survey (With GSA, Cost Removed)				
Architectural and Engineering Services Subtotal:					

DIVISION 2 - DEMOLITION

COST CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ESTIMATED COST
2.10	ABATEMENT/DEMOLITION				\$ 309,175
2.1.1	Conduct Site Survey For ACM items and provide results. (With GSA, Cost Removed)	(b) (4)			
2.1.2	Critical barrier installations (Attic Space)				
2.1.3	Remove Corridor chandler light fixture				
2.1.4	Full demolition and remove of ceiling tile, grid, lights, diffusers, flex duct (Area 1 - 5 & 9)				
2.1.5	Full demolition and remove of hard ceiling, lights, diffusers, flex duct. (Area 6 & 7)				
2.1.6	Existing drywall, fixtures, RDGs decontaminate, reinstall, repair. (Area 1: RM E222 & Area 8)				
2.1.7	Removal of all plaster ceilings that contain ACM identified in survey.				
2.1.8	Industrial Hygienist (With GSA, Cost Removed)				
2.1.9.A	Scaffolding/Working Platform - Area 6 (Stairway)				
2.1.9.B	Scaffolding/Working Platform - Area 7 (Main Corridor)				
2.1.10	Set up and removal of negative air procedures during work shifts throughout construction.				
2.1.11	Broom Clean Upon Completion of Demo Work				
2.1.12	Building Protections - Carpet Plastic and Masonite				
2.1.13	Plastic Wall Partitioning				
2.1.14	Dumpsters For Demolition				
2.1.15	Disposal of all hazardous material removed from project.				
	SUBTOTAL - DIVISION 2				\$ 309,175

DIVISION 9 - FINISHES

COST CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ESTIMATED COST
9.10	DRYWALL & CEILINGS				\$ 213,783
	Phase 1 - Abatement/ Demolition and Ceiling Installation				
9.1.1	Patch and repair walls from Demo/Abatement/Construction activities (Area 1-8)				
9.1.2	Supply and Install new ceiling grid and tiles. 2' x 2' Tegular tile on thin line interlocking grid. (Area 1 <i>not including RM E222</i> , Area 2, 3, 4, 5)				
9.1.3	Supply and install new 6" bat Insulation on ceiling tiles				
9.1.4	Scaffolding/Working Platform Finishes - Areas 6 & 7				
9.1.5	Supply and install new gyp ceilings, include framing & insulation.				
9.1.6	Temporary protection and daily cleaning materials.				
9.1.7	Laborer for daily set up of jobsite and hallway protection and cleanup (2 men).				
9.1.8	Job Stocking				
	Phase 2 - New Duct Installation Works (SCOPE REMOVED FRO				
9.1.9	Temporary protection and daily cleaning materials.				
9.1.10	Laborer for daily ceiling tile removal and reinstallation, set up of jobsite and hallway protection and cleanup (2 men).				
9.20	PAINTING				
9.2.1	Caulking, new grid to walls				
9.2.2	Wall touch-up paint & Punchlist (Area 1-8)				
9.2.3	New Ceiling Paint (Area 6-7)				
9.2.4	Disposables and Floor Protection				
	SUBTOTAL - DIVISION 9				\$ 229,280

(b) (4)

DIVISION 15 - MECHANICAL

COST CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ESTIMATED COST
	MECHANICAL				\$ 429,301
15.10	TAB and Reports				
15.1.1	Pre-demolition Air Balance Reading & Report	(b) (4)			
15.1.2	Survey of Existing Systems				
15.1.3	Pressure Test existing supply and return ducting. Provide Report Based findings.				
15.1.4	Provide FINAL TAB readings and adjustment for both air and hydronic systems.				
15.1.5	Mechanical System Flush out Prior to Occupancy				
15.1.6	Post Occupancy Adjustments to Air Balance				
15.20	Demolition				
15.2.1	Demolition of a existing Air Handling Unit (AHU) in the Basement serving the 2nd Floor.				
15.2.2	Demolition of ALL Duct Mains and Branch Lines, dampers and louvers, and air units in the Attic Space. <i>(Phased work: Demo and Installation work to occur nightly by section)</i>				
15.2.3	Demolition of Main Duct Risers				
15.2.4	Basement Demolition of Piping and Insulation Back to Risers for AHU's				
15.2.5	Dispose of All Demolished Equipment in Accordance with Local, State, and Federal Regulations.				
15.30	Basement AHU				
15.3.1	Relocate 1st floor AHU control panel and piping as needed to ensure 1st Floor AHU remains operational.				
15.3.2	Provide and Install new AHU to replace demolished AHU. (Per Provided Product Specs)				
15.3.3	Provide construction, final and spare set of filters for all equipment.				
15.3.4	Provide and install all new piping, valves for each AHU coil, new flexible piping on supply and return lines for new AHU.				
15.3.5	Provide and install 120V control valves for preheat and chilled water coils.				
15.3.6	Provide and install 2 new GPS-Iclean plasma filters on the supply side of the chilled water coil.				
15.3.7	Provide and install all new duct, insulation, and accessories for AHU supply and return.				
15.3.8	Provide and install OA damper, 120V actuator to be provide and compatible with upgraded BAS system.				
15.3.9	Connect Freezestat and OA damper to BAS.				
15.3.10	Provide and install a new smoke detection system on both the supply and return ducts				
15.3.11	Provide and Install New Air Temp. Sensors on Both Supply and Return Ducts.				
15.3.12	Provide all vibration isolation for piping and equipment.				
15.3.13	Balance supply fan.				
15.3.14	Off-Hours and Premium Time for Weekend Outages				
15.40	Controls				
15.4.1	Upgrade or install a DDC control system. Integration to Schneider BAS and Graphics compatible with the latest version "Structureware" TAC/Schneider controls. Include all required programming changes and graphics.				
15.50	2nd Floor Duct Work				
15.5.1	Allowance for minr 2nd floor duct repair. (Main Trunk Ducting and Riser Excluded)				
15.5.2	New Supply Diffuser and Return Air Grilles				
15.5.3	Phased work area/ducting, removal and replacement per section. Assume 10ft sections.				
15.5.4	Temporary duct terminations (new install to existing ducting)				
SUBTOTAL - DIVISION 15 HVAC					\$ 429,301

DIVISION 15 - FIRE PROTECTION

COST CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ESTIMATED COST
15.30	FIRE PROTECTION				\$ 36,563
15.3.1	Add / Relocate Heads Per Code and to be Center of Tile	(b) (4)			
15.3.2	Add / Relocate Heads Per Code at Hard Ceiling (Area 6-7)				
15.3.3	Hydraulic Calculations and Engineered Shop Drawings				
15.3.4	Install branch line plugs during construction				
	SUBTOTAL - DIVISION 15 FIRE PROTECTION				\$ 36,563

DIVISION 16 - ELECTRICAL

COST CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ESTIMATED COST
	ELECTRICAL				\$ 277,418
16.10	2nd Floor Scope	(b) (4)			
16.1.1	Electrical Survey / Tracing 2nd Floor Lighting Circuits				
	Attic cabling temporary support/relocation (DOES NOT INCLUDE NEW INFRASTRUCTURE OR CODE COMPLIANT INSTALLATIONS)				
16.1.2	Provide, maintain, relocate (per area) and remove at project conclusion temporary lighting and Power as necessary.				
16.1.3	Remove and reinstall existing Elevator Lobby and Corridor Chandlers ceiling light fixtures				
16.1.4	Provide and install new 4" round LED can lights in corridor and bathrooms				
16.1.5	Provide and Install New LED light fixtures, per provided product Spec. (Area 1 not including RM E222, Area 2, 3, 4, 5)				
16.1.6	New ceiling and/or wall mounted occupancy sensors for LED lights.				
16.1.7	Off-Hours and Premium Time for Weekend Outages				
16.1.8					
16.20	New AHU/Basement Scope				
	Disconnect Power Supply from 2nd Floor AHU located in the Basement and remove all associated wiring, breakers and other misc. devices				
16.2.1					
16.2.2	New Conduit, Wiring, and Connections for 2nd Floor AHU with New Breakers and New Wire to the Electrical Distribution Panel.				
16.2.3	Supply and install new Starter, Disconnect, Variable Frequency Drive (VFD) to serve New 2nd Floor AHU.				
16.2.4	Disconnect and Reconnect All Associated Accessories for the AHU including but not limited to MOD, Control Valves, Control Panels, Plasma Air Cleaners, or other Air Devices, ETC.				
16.2.5	Install 3/4" Conduit, Ring & String for Controls Contractor				
16.30	Fire Alarm Works				
16.3.1	Disconnect, Temporary Relocate, and Restore any Existing Smoke Detection/NAC Devices in existing 2nd Floor Ceiling				
16.3.2	Disconnect any Existing Smoke Detection Devices located within the existing Duct and Modify Existing FA Panel to Function During Construction				
16.3.3	Provide, Install, and complete all Necessary Programming to Smoke Detection Devices located in the new Duct and make operational with the existing FA System.				
16.3.4	Fire Alarm Shop Drawings and Load Calculations (Removed from Costs)				
16.3.5	Fire Alarm Devices and Installation				
16.3.6	Fire Alarm Panel Tie-ins and Programming (BFPE)				
16.3.7	Fire Alarm Testing				
	SUBTOTAL - DIVISION 16				\$ 277,418

ORDER FOR SUPPLIES AND SERVICES				REQUISITION/REFERENCE NUMBER EQWPM1B-17-0161		PAGE 1 OF 4 PAGES	
1. DATE OF ORDER 8/7/2017		2. ORDER NUMBER		3. CONTRACT NUMBER 47PM1017C0003		4. PDN NUMBER EB7N70016	
FOR GOVERNMENT USE ONLY	5. ACCOUNTING AND APPROPRIATION DATA						
	FUND	FUNCTION CODE	B/A CODE	CC-A	C/E CODE	FY	REGION
	CC-B	PROJ./PROS NO.	O/C CODE	ORG. CODE	W/ITEM	PRT./CRFT	
6. TO: CONTRACTOR (Name, address and zip code) WASHINGTON SUBURBAN SANITARY COMMISSION 14501 SWEITZER LN LAUREL, MD 20707 USA					7. TYPE OF ORDER		
					A. <input checked="" type="checkbox"/> PURCHASE Please furnish the following on the terms and conditions specified on the order and the attached sheets, if any, including delivery as indicated.		
					B. <input type="checkbox"/> DELIVERY (For Supplies) This delivery order is issued subject to the terms and conditions of the above numbered contract.		
8A. Data Universal Numbering System (DUNS) Number 003258654					8B. Taxpayer Identification Number (TIN)		
9A. BUSINESS CLASSIFICATION <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. SMALL DISADVANTAGED <input type="checkbox"/> d. WOMAN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. EMERGING SMALL <input type="checkbox"/> g. VETERAN <input type="checkbox"/> h. SERVICE DISABLED VETERAN					C. <input type="checkbox"/> TASK ORDER (For Services) This task order is issued subject to the terms and conditions of the above numbered contract.		
					D. MODIFICATION NUMBER AUTHORITY FOR ISSUING		
					Except as provided herein, all terms and conditions of the original order, as heretofore mentioned, remain unchanged.		
10. ISSUING OFFICE (Address, Zip Code, and Telephone Number) OFFICE OF ACQUISITION, SPECIALIZED SERVICES CONTRACTS BRANCH - NCR 300 7TH & D STREET SW - RM 6109 WASHINGTON, DC 20407 United States					11. REMITTANCE ADDRESS (MANDATORY) 14501 SWEITZER LANE LAUREL, MD 20707		
					12. SHIP TO (Consignee Address, Zip Code and Telephone Number) FRC Building 100 Central Utility Plant 10903 New Hampshire Ave, Bldg 100 Silver Spring, MD 20993		
13. PLACE OF INSPECTION AND ACCEPTANCE 10903 New Hampshire Avenue Silver Spring, MD 20993				14. REQUISITION OFFICE (Name, Symbol and Telephone Number) WPM1B, Metropolitan Service Center, 301.595.5069			
15. F.O.B. POINT		16. GOVERNMENT B/L NUMBER MD0810WO		17. DELIVERY F.O.B. POINT WHITE OAK FEDERAL RESEARCH CE		18. PAYMENT/DISCOUNT TERMS	
19. SCHEDULE							
ITEM NUMBER (A)	SUPPLIES OR SERVICES (B)			QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See below for additional information						
20. RECEIVING OFFICE (Name, Symbol and Telephone Number) Metropolitan Service Center 10903 New Hampshire Avenue Silver Spring, MD 20993 United States						TOTAL FROM 300-A(s)	\$2,497,622.52
21. MAIL INVOICE TO: (Electronic Invoice Preferred) GENERAL SERVICES ADMINISTRATION 7BCPL Finance Div, Leasing and Utilities GSA Admin 7BCPL Fort Worth, TX 76102-0181				22. GROSS SHIP WEIGHT		GRAND TOTAL	\$2,497,622.52
				23. SHIPPING POINT			
25A. NAME AND TITLE OF OFFEROR/CONTRACTOR				24A. FOR INQUIRIES REGARDING PAYMENT CONTACT: patricia.davis@gsa.gov		24B. TELEPHONE NUMBER 202-690-9496	
				26A. UNITED STATES OF AMERICA (NAME OF CONTRACTING/ORDERING OFFICER) Chrischanda Smith			
25B. SIGNATURE		25C. DATE SIGNED		(b) (6)		26C. DATE SIGNED 8/7/2017	

GENERAL SERVICES ADMINISTRATION

00 (REV. 5/2010)

GSA300 List of Accounting Strings

Accounting String

Amount Obligated

(b) (4)

ORDER FOR SUPPLIES AND
SERVICES (Continuation)

RELATING TO THIS ORDER

THIS NUMBER MUST APPEAR ON ALL PACKAGES AND PAPERS

PO NUMBER

DATE

101112011

PAGE 3

PAGES 4

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
0001	<p>WATER & SEWER SERVICE - WHIIE</p> <p>OAK FEDERAL RESEARCH CENTER CAMPUS</p> <p>Washington Suburban Sanitary</p> <p>Commission (WSSC) shall supply</p> <p>Water and Sewer Services to</p> <p>While Oak Federal Research</p> <p>Center Campus located at: 10701</p> <p>New Hampshire Avenue, Silver</p> <p>Spring, MD 20903 for Account No.</p> <p>3564580. GSA Point of Contact:</p> <p>James Watson, Building Manager,</p> <p>(202) 219-3115,</p> <p>james.watson@gsa.gov. -contract</p> <p>Order 47PM1017C0003 shall not</p> <p>exceed past September 30, 2027.</p> <p>Old Act No. 1B7N03288 will be</p> <p>replaced with new Ad.: No.</p> <p>EB7N70016**</p> <p>EB7N70016.2017.192X.11.P1126001</p> <p>.PG61.PGA32.F22..MD0810WO.....</p> <p>..</p> <p>Obligated \$2,497,622.52</p> <p>PoP: 1010112017 - 09130/2018</p>	(b) (4)			
0002	<p>WATER & SEWER SERVICE - WHIIE</p> <p>OAK FEDERAL RESEARCH CENTER CAMPUS</p> <p>Washington Suburban Sanitary</p> <p>Commission (WSSC) shall supply</p> <p>Water and Sewer Services to</p> <p>While Oak Federal Research</p> <p>Center Campus located et: 10701</p> <p>New Hampshire Avenue, Sliver</p>	(b) (4)			

ORDER FOR SUPPLIES AND
SERVICES (Continuation)

THIS NUMBER MUST APPEAR ON ALL PACKAGES AND PAPERS
RELATING TO THIS ORDER

PAGE 4

PON NUMBER

DATE

101112011

ORDER NUMBER

PAGES 4

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (•)	AMOUNT (ϵ)
	<p>Spring, MD 20903 for Account No. 3564580. GSA Point of Contact: James Watson, Building Manager, (202) 219-3115, james.watson@gsa.gov.. The Services in this line item will be funded on an annual bases and not in a one (1) lump sum. **Contract Order 47PM1017C0003 shall not exceed past September 30, 2027** PoP: 1010112018-0913012027</p>				

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	GS11P17MKC0014	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	03/28/2017	1

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

CONTRACT NUMBER GS11P17MKC0020	5. REQUISITION/PURCHASE REQUEST NUMBER EQWPMMA-17-0029	6. PROJECT NUMBER NDC00256
------------------------------------------	------------------------------------------------------------------	--------------------------------------

7. ISSUED BY GSA, NCR, ROB OFC OF ACQUISITION (WPHBA) 301 7TH STREET, SW WASH., DC 20407	CODE WPHBA	8. ADDRESS OFFER TO GSA, NCR, ROB PROPERTY DEVELOPMENT DIVISION (WPC) 301 7TH STREET, SW WASHINGTON, DC 20407
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ISSUED UNDER AMENDMENT 0004

9. FOR INFORMATION CALL:	a. NAME CHERVETTE WHALEY, Contract Spec	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) 202-969-5549
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SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

GS11P17MKC0014 Design-Build for Bldg 54 – West Addition @ St. Elizabeths, Wash., DC
Design build/bridging contract for the construction of Building 54 for the Department of Homeland Security Headquarters at the St. Elizabeths Hospital site in Anacostia, DC. The scope will include the construction of a new building to provide office space for the DHS personnel.

Firm Fixed Price,
Estimated Cost Range: \$40.0 M - \$50.0 M
Liquidated Damages: \$3,000 per day of delay
Period of Performance: Contract Completion within 18 months after receipt of NTP
NAICS: 236220 Commercial and Institutional Building Construction

52.219-9, Small Business Subcontracting Plan: An offeror, other than a small business concern, before being awarded a contract exceeding \$1,500,000 for construction, must demonstrate that its subcontracting plan represents a creative and innovative program for involving small, HUB Zone small, small disadvantaged, women-owned, veteran-owned, and service-disabled veteran owned small business concerns as subcontractors in the performance of this contract.
An Apprenticeship Plan is required after the award.
An EEO Compliance Plan is required after the award.

11. The contractor shall begin performance within <u>1</u> calendar days and complete it within <u>**</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See <u>** 18 months</u>).

12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS (7) seven
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------

13. ADDITIONAL SOLICITATION REQUIREMENTS:

a. Sealed offers in original and 3 copies to perform the work required are due at the place specified in Item 8 by 12:00pm (hour) local time 04/27/2017 (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

b. An offer guarantee ☒ is, ☐ is not required.

c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

d. Offers providing less than 120 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

Grunley Construction Company, Inc.
15020 Shady Grove Road, Suite 500
Rockville, MD 20850

15. TELEPHONE NUMBER (Include area code)

240-399-2000

16. REMITTANCE ADDRESS (Include only if different than item 14.)

CONTRACT GS11P17MKC0020

CODE 0MW40

FACILITY CODE

DUNS: 188686778

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within 120 calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

Committed

AMOUNTS

SEE Contract Price Form: Pricing Sheet
ATTACHMENT TO SF 1442: SOLICITATION, OFFER AND AWARD

REVIEWED

By Tiffany Hamlin at 10:12 am, Jun 27, 2017

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NUMBER	1	2	3	4	5	6	7	8	9
DATE.	12/23/2016	03/29/2017	04/11/2017	04/19/2017	04/28/2017	05/01/2017	05/05/2017	05/11/2017	05/19/2017

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

20b. SIGNATURE

20c. OFFER DATE

Thomas S. Walker, VP of Preconstruction Services

(b) (6)

05/24/2017

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

All work included in Base Offer Price, Options 1 thru 5 (Options 2 thru 5 exercised; Reserve right to exercise Option 1 in accord w/contract docs); All Optional Bid Rates; Amendments 1, 2, 3, 4, 5, 6, 7, 8, 9; The Solicitation and Agreement including all specifications, attachments and drawings (as amended); Davis Bacon Wage Decision DC170002, MOD 3 dated 05/05/2017; SB Subcontracting Plan; Prompt Payment: 30 days

22. AMOUNT

\$38,463,000.00

23. ACCOUNTING AND APPROPRIATION DATA

EN-GS-11-P-17-MK-C-0020

24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)ITEM
26

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c) ()☐ 41 U.S.C. 3304(a) ()

26. ADMINISTERED BY

WPC

27. PAYMENT WILL BE MADE BY

PROPERTY DEVELOPMENT DIV. (WPC)
2701 Martin Luther King Jr Ave., SE Trailer 37A
Washington, DC 20032GSA, Greater Southwest Finance Center (7BCP)
P.O. Box 17181
Fort Worth, TX 76102

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

☒ 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN
(Type or print)

31a. NAME OF CONTRACTING OFFICER (Type or print)

30b. SIGNATURE

30c. DATE

(b) (6)

31c. DATE

06/28/2017

ATTACHMENT TO SF 1442: SOLICITATION, OFFER AND AWARD

(This form must be attached to the SF 1442 when submitting the Price Proposal.)

Contract Price Form: Pricing Sheet:

BASE CONTRACT PRICE: THE BASE PRICE SHALL INCLUDE ALL ALLOWANCES. THE BASE PRICE SHALL NOT INCLUDE ANY WORK INCLUDED IN THE OPTION PRICES.

	Base Contract: Shall consist of all DESIGN AND CONSTRUCTION for the shell, core and utility connections for the West Addition defined in section 011000 and as shown in the bridging documents and not included in the request options.	\$	(b) (4)
A.	Option No. 1: Tenant Improvement Costs: The Contractor shall provide a firm fixed price to design and provide the tenant improvement costs as defined by in Section 3.1.A of specification section 012400 - Options	\$	
B.	Option No. 2: DOC Normal and Emergency Ductbanks: D-B Contractor shall provide a firm fixed price to design and provide the ductbank described in Section 3.1.B of the specification section 012400 - Options.	\$	
C.	Option No. 3: Tunnel Connection to Creamery: D-B Contractor shall provide a firm fixed price to design and provide this tunnel connection as described in Section 3.1.C of the specification section 012400 - Options. Price to include repair and reconstruction of roadway above.	\$	
D.	Option No. 4: Demolition of Stair Bravo Headhouse and Relocation of existing fire alarm and control elements to the West Addition Fire Command Center: D-B Contractor shall provide a firm fixed price to provide necessary design, relocate existing control and standpipe elements, and demolish existing DOC "Stair-Bravo" Headhouse as defined in Section 3.1.D of the specification section 012400 - Options.	\$	
E.	Option No. 5: PV Roof: D-B Contractor shall provide a firm fixed price to provide necessary design and construct the photovoltaic (PV) panel system as defined in Section 3.1.D of the specification section 012400 - Options.	\$	

TOTAL CONTRACT PRICE (BASE + OPTIONS): \$ 44,905,000

Grunley Construction Company, Inc.
Offeror, Signature:

(b) (6)

5/24/2017

Date:

CONTRACT GS11P17MKC0020

ISSUED UNDER AMENDMENT 04

GS11P17MKC0014 Design-Build for Bldg 54 – West Addition @ St. Elizabeths, Wash., DC

BID RATES		
Contractor's Overhead Rate for Adjustments		(b) (4)
Contractor's Profit Rate for Adjustments		
Contractor's Daily Rate for Compensable Project Delay (Work Day)		\$ 8,900

Grunley Construction Company, Inc.
Offeror, Signature:

(b) (6)

5/24/2017

Date:

					PAGE	OF
					4	7
ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT	
0001	<p>Building 54/West Addition- CORE AND SHELL</p> <p>Contractor will design/build the base building core and shell of the new Building 54/West Addition (WA), including: foundations, exterior envelope, roofing, sustainability measures, utility connections, building common spaces, common services, fire/life safety systems, ceilings, lighting, lobbies and public bathrooms, elevators, water, sewer, HVAC systems, inter-buildng connections, civil engineering, sidewalks, road curbs, and landscape. Contractor shall also provide: 1.electrical work within the existing below grade utility tunnel from the point of connection to the WA tunnel to CUP2; 2. construction of empty conduit units within the concrete ductbank between the WA utility tunnel; 3. a connection from Level LL1 of the WA to the face of the existing Utility Tunnel; 4. a connection from Level G3 of the WA to the face of the Creamery; 5. demolition of the Stair Bravo Headhouse and removal and disposal of all</p>	1	LS	\$37,222,000.00	\$37,222,000.00	

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0002	<p>resulting waste; 6. the completion of construction at Level LL1 and passenger elevators from LL1 to Level G2; 6. a photovoltaic panel system at Roof Level and 7. a green roof at Level 02. EN-GS-11-P-17-MK-C-0020.2017.192X .11.P11B0001.PG51.PG413.N20 .NDC00256.DC0091SE.000.... .NDC00256DC0091SE.CIPNEWCON.1.. Obligated: \$37,222,000.00</p> <p>PoP: 06/15/2017 - 09/30/2018</p> <p>OPTION 1-----Building 54/West Addition -TENANT IMPROVEMENT and FIT-OUT Contractor to provide design/construction of interior walls, doors, carpets, branch lighting, branch electrical, branch HVAC, and all other interior fittings required to be paid by the Tenant. Option 1 valued at \$6,442,000; Accepted at Award with Reservation to Exercise at a later date I accordance with contract documents and schedule PoP: 06/15/2017 - 09/30/2018</p>	1	LS	\$0.00	\$0.00
0003	<p>OPTION 2-----Building 54/West Addition - DOC Normal and</p>	1	LS	\$270,000.00	\$270,000.00

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0004	<p>Emergency Ductbanks Contractor to provide other tenant required design and construction, including the construction of empty conduits within the concrete ductbank between the West Addition utility tunnel to the existing wall of the DOC. EN-GS-11-P-17-MK-C-0020.2017.192X .11.P11B0001.PG51.PG413.N20 .NDC00256.DC0091SE.000.... .NDC00256DC0091SE.CIPNEWCON.1.. Obligated: \$270,000.00 PoP: 06/15/2017 - 09/30/2018</p> <p>OPTION 3-----Building 54/West Addition - Tunnel Connection to Creamery Contractor to provide tunnel connection EN-GS-11-P-17-MK-C-0020.2017.192X .11.P11B0001.PG51.PG413.N20 .NDC00256.DC0091SE.000.... .NDC00256DC0091SE.CIPNEWCON.1.. Obligated: \$574,000.00 PoP: 06/15/2017 - 09/30/2018</p>	1	LS	\$574,000.00	\$574,000.00
0005	<p>OPTION 4-----Building 54/West Addition - Demolition of Stair Bravo Headhouse and Relocation of existing fire alarm and</p>	1	LS	\$189,000.00	\$189,000.00

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0006	<p>control elements to the West Addition Fire Command Center Contractor to provide necessary design, relocate existing control and standpipe elements, and demolish existing DOC "Stair-Bravo" Headhouse. EN-GS-11-P-17-MK-C-0020.2017.192X .11.P11B0001.PG51.PG413.N20 .NDC00256.DC0091SE.000.... .NDC00256DC0091SE.CIPNEWCON.1.. Obligated: \$189,000.00</p> <p>PoP: 06/15/2017 - 09/30/2018</p> <p>OPTION 5-----Building 54/West Addition - PV Roof Contractor to provide necessary design and construct the photovoltaic (PV) panel system EN-GS-11-P-17-MK-C-0020.2017.192X .11.P11B0001.PG51.PG413.N20 .NDC00256.DC0091SE.000.... .NDC00256DC0091SE.CIPNEWCON.1.. Obligated: \$208,000.00</p> <p>PoP: 06/15/2017 - 09/30/2018</p>	1	LS	\$208,000.00	\$208,000.00

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

Summit Construction & Environmental Services, LLC
6290 Old Warwick Road, Suite D
Richmond, VA 23224

15. TELEPHONE NUMBER (Include area code)

757-903-8887

16. REMITTANCE ADDRESS (Include only if different than Item 14.)

CODE 4NKK3

FACILITY CODE

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted

by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS

\$2,865,296.71 (Two Million Eight Hundred Sixty Five Thousand Two Hundred Ninety Six Dollars 71/100)

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001	0002							
DATE	3/31/17	4/13/17							

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)

Keith Helmer, Senior Project Manager

20b. SIGNATURE

(b) (6)

20c. OFFER DATE

6/8/2017

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

All work included in the Base contract to install PA Systems and Upgrade Fire Alarm Head End Panel, Amend 1 & 2 Solicitation and Agreement, Prompt Payment 30 c.d,

22. AMOUNT

\$2,865,296.71

23. ACCOUNTING AND APPROPRIATION DATA

EN-GS-11-P-17-MK-C-0021

24. SUBMIT INVOICES TO ADDRESS SHOWN IN
(4 copies unless otherwise specified)ITEM
26

25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c) () ☐ 41 U.S.C. 3304(a) ()

26. ADMINISTERED BY

WPC

27. PAYMENT WILL BE MADE BY

GSA, PROPERTY DEVELOPMENT DIVISION, NCR
301 7th STREET, SW
ROOM 2002
WASHINGTON, DC 20407

PBS Payment Branch
P.O. BOX 17181
Fort Worth, TX 76102-0181

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.

☒ 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN
(Type or print)

31a. NAME OF CONTRACTING OFFICER (Type or print)

Bonnie Echoles

30b. SIGNATURE

30c. DATE

31b. UNITED STATES OF AMERICA

31c. DATE

(b) (6)

7/7/17

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	GS-11-P-17-MK-C-0006	<input type="checkbox"/> SEALED BID (IFB) <input type="checkbox"/> NEGOTIATED (RFP)	3/15/2017	1 3

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NUMBER GS-11-P-17-MK-C-0021	5. REQUISITION/PURCHASE REQUEST NUMBER EQWPMMA-17-0055	6. PROJECT NUMBER
7. ISSUED BY OFFICE OF ACQUISITION, CAPITAL CONSTRUCTION BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States	CODE WPHBA	8. ADDRESS OFFER TO

9. FOR INFORMATION CALL:	a. NAME Tanuja Majety	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) 202-617-1343
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SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

See Attached

11. The contractor shall begin performance within 1 calendar days and complete it within 360 calendar days after receiving ☐ award, ☒ notice to proceed. This performance period is ☒ mandatory ☐ negotiable. (See _____).

12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS
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13. ADDITIONAL SOLICITATION REQUIREMENTS:

- a. Sealed offers in original and 2 copies to perform the work required are due at the place specified in Item 8 by 12:00 PM (EST) (hour) local time 4/14/2017 (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- b. An offer guarantee ☒ is, ☐ is not required.
- c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- d. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

SF1442 List of Accounting Strings

Accounting String	Amount Obligated
(b) (4)	\$2,865,296.71

CONTRACT GS-11-P-17-MK-C-0021

PAGE OF
4 5

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	<p>Install PA System & Upgrade Fire Alarm Panel</p> <p>This award is to procure Design Build Services for the Installation of PA System and Upgrade Fire Alarm Head End Panel for the U.S. Internal Revenue Services (IRS) located in Washington, DC. Contactor is to provide all labor, material, equipment, transportation and on-site supervision necessary to complete the Design Build Services. The scope of work includes designing and providing new emergency voice capabilities to the existing fire alarm system. The new voice equipment should include a voice module with microphone, audio message generator (any other needed control equipment), amplifiers, and code compliant fire wiring and speakers throughout the IRS building. The proposal dated June 08, 2017 for \$2,865,296.71 is hereby accepted by the Government. The Period of Performance is 42 weeks from issuance of Notice to Proceed (NTP). 100% Payment and Performance Bonds are required for the performance of this work</p>	1	EA	2,865,296.71	\$2,865,296.71

CONTRACT GS-11-P-17-MK-C-0021

PAGE OF
5 5

ITEM NO., FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN-TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
	<p>and must be submitted within five (5) calendar days after the award of the contract. A Notice to Proceed (NTP) will NOT be issued until the contractor's Payment and Performance Bonds have been received AND accepted by the Government.</p> <p>EN-GS-11-P-17-MK-C-0021.2017.192X .11.P1140003.PG80.PG413.H08. .DC0022ZZ..1574137.1.....</p> <p>Obligated: \$2,865,296.71</p> <p>PoP: 06/30/2017 - 04/21/2018</p>				

GSA Contract No. GS-11-P-17-MK-C-0006

Item	Description	Cost
01	General Conditions	(b) (4)
02	Design	
03	Testing - Third Party	
04	Commissioning	
05	Fire Alarm / Public Address System	
06	Electrical	
07	Misc. - Finishes	
08	Bond	
Subtotal 1 - Item 01+02+03+04+05+06+07+08 Totals		
Overhead and Profit		
TOTAL BID PRICE (Subtotal 1 + Overhead and Profit)		\$ 2,865,296.71

Document: C101-SB / JAN 2016
(The Agreement)

SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	GS-11-P-17-MK-C-0017	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	07/05/2017	1 3

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NUMBER	5. REQUISITION/PURCHASE REQUEST NUMBER	6. PROJECT NUMBER
GS-11-P-17-MK-C-0023	EQWPIC-17-0006	
7. ISSUED BY	CODE	8. ADDRESS OFFER TO
WPHBD		
WPHBD - OFFICE OF ACQUISITION, WEST REPAIR & ALTERATIONS CONTRACTS BRANCH - NCR 301 7TH & D STREET SW WASHINGTON, DC 20407 United States		WPHBA OFFICE OF ACQUISITION, CAPITAL CONSTRUCTION BRANCH - NCR 301 7TH & D STREET SW WASHINGTON, DC 20407 United States
9. FOR INFORMATION CALL:	a. NAME	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS)
	Suemi Smith	202-561-8217

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying number, date)

See Attached Documents:

1. The Agreement
2. The Solicitation
3. SOW
4. Certs and Reps
5. Wage Determination- DC
6. Other Supporting Doc, 1541 TASK09-02.01, 1541 TASK09-03.01, SA-09 Section 01541, GSA Form 527, SF25, SF25A-15

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>182</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input type="checkbox"/> mandatory <input checked="" type="checkbox"/> negotiable. (See FAR 52.217-8).	
12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS 3
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
a. Sealed offers in original and <u>2</u> copies to perform the work required are due at the place specified in Item 8 by <u>2:00 PM (EST)</u> (hour) local time <u>6/15/2017</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
b. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required.	
c. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
d. Offers providing less than _____ calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code) HITT CONTRACTING, INC. 2900 FAIRVIEW PARK DR FALLS CHURCH, VA 22042 DUNS: 003258746		15. TELEPHONE NUMBER (Include area code) 703 846-9818
16. REMITTANCE ADDRESS (Include only if different than Item 14.)		
CODE OTDS4	FACILITY CODE 003258746	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13d. Failure to insert any number means the offeror accepts the minimum in Item 13d.)

AMOUNTS Thirteen Million, Four Hundred and Eleven Thousand, Three Hundred Eighty Nine

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)

AMENDMENT NUMBER	0001	0002	0003						
DATE	06/5/2017	06/12/2017	06/23/2017						

20a. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20b. SIGNATURE	20c. OFFER DATE

AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

Contractor's Price Proposal dated June 26, 2017.

22. AMOUNT \$13,411,389.00	23. ACCOUNTING AND APPROPRIATION DATA Please see attached
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24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM 27	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 3304(a) ()
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26. ADMINISTERED BY OFFICE OF ACQUISITION, CAPITAL CONSTRUCTION BRANCH - NCR 300 7TH & D STREET SW WASHINGTON, DC 20407 United States	27. PAYMENT WILL BE MADE BY PBS PAYMENTS BRANCH P.O. BOX 17181 FORT WORTH, TX 76102-0181
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CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input checked="" type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30a. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print) Sheila Sears, General Counsel HITT	31a. NAME OF CONTRACTING OFFICER (Type or print) Richard Brooks
30b. SIGNATURE (b) (6)	31b. UNITED STATES OF AMERICA (b) (6)
30c. DATE 7/5/17	31c. DATE 7/5/2017

STANDARD FORM 1442 (REV. 8/2014) BACK

RECEIVED

By Nancy M. Bridgees at 9:01 am, Jul 06, 2017

ITEM NO. , FORM OR STOCK NUMBER	DESCRIPTION OF ARTICLES OR SERVICES	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	AMOUNT
0001	<p>Renovation of American Red Cross Building</p> <p>Provide Construction services to renovate the American Red Cross Building. The renovations will include, but are not limited to, demolition, architectural, mechanical, electrical, security requirements, and fire, life safety services per the design documents submitted by Jacobs Government Services Company to compete the restacking and reconfiguration of all floors starting from lower level 2 through the 5th floor.</p> <p>EN-GS-11-P-17-MK-C-0023.2017.192X .11.P1140004.PG80.PG413.H08. .DC1269ZZ..0645258.1.....</p> <p>Obligated: \$13,411,389.00</p> <p>PoP: 06/26/2017 - 04/30/2018</p>	1	LS	13,411,389.00	\$13,411,389.00